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PORPSMOUTH MEETING, 1911

A CATALOGUE

OF

DESTRUCTIVE EARTHQUAKES

A.D. 7 to A.D. 1899

By JOHN MILNE, *D.Sc., F.R.S.*

UNIVERSITY OF
CALIFORNIA

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CATALOGUE OF DESTRUCTIVE EARTHQUAKES.

By J. MILNE, D.Sc., F.R.S.

INTRODUCTION.

The following small Catalogue, which has taken several years to compile, is issued under the auspices of the Seismological Committee of the British Association. It represents excerpts from manuscripts and publications received from most countries in the world.

In 1888, at the end of a Report to the British Association, Robert Mallet says: "We have thus extracted all the information that our catalogue, or indeed any further cataloguing of earthquakes seems capable of giving us." Farther on he remarks, "In conclusion, I would repeat my conviction that a further expenditure of labour in earthquake catalogues of the character hitherto compiled, and alone possible from the data to have been compiled, is now a waste of scientific time and labour." To appreciate the opinion which is here so strongly expressed it is necessary to examine the catalogues to which reference is made. Although in several respects they exhibit differences, they have also strong resemblances. From the earliest historical times to the 17th century, the entries are comparatively few in number as compared with entries made subsequently. As Mallet puts it, the expanding character of catalogues has followed the progress of human knowledge, discovery, and diffusion of mankind. The records before the Christian era, and prior to the year 1700, are practically confined to occurrences in Southern Europe, China and Japan. It may, however, be noted that when Mallet wrote, records relating to the two last-mentioned countries (to which we may add India) were but few in number. In early times the entries for all countries refer for the most part to widespread disasters. References to small disturbances were never chronicled, or if they were, they have been lost. Only that which was large survived. As the material civilisation of Europe spread, new countries were settled, printing became common, and records of natural phenomena became more numerous. They however changed in character. Small events found a place in history, with the result that in the compilations referring to the last 300 years, we find megaseisms and microseisms side by side. The characteristics of catalogues to which Mr. Mallet refers are therefore as follow: First, the entries for early times, although

comparatively few in number, are fairly homogeneous in their character. Secondly, the entries for recent times are comparatively numerous but they are extremely heterogeneous. References to cataclysms are lost amid long lists of mere earth tremors. Efforts which have resulted in the creation or extension of faults and the devastation of districts stand side by side with references to "aftershocks" or slight adjustments in the settlement of strata which may not have rattled a window or awakened a sleeper.

Although much time has been expended on the analyses of these catalogues it is not surprising to find that the outcome has been more suggestive than definitive, and but little has been learned.

The present Catalogue is an attempt to give a list of earthquakes which have announced changes of geological importance in the earth's crust; movements which have probably resulted in the creation or extension of a line of fault, the vibrations accompanying which could, with proper instruments, have been recorded over a continent or the whole surface of our world. Small earthquakes have been excluded, while the number of large earthquakes both for ancient and modern times has been extended. As an illustration of exclusion, I may mention that between 1800 and 1808, which are years taken at random, I find in Mallet's catalogue 407 entries. Only 37 of these, which were accompanied by structural damage, have been retained. Other catalogues such as those of Perrey and Fuchs have been treated similarly.

The large catalogue of Count F. Montessus de Ballore, stored in the library of the Geographical Society in Paris, occupies 26 metres of bookshelves and contains about 140,000 entries. In the light of recent researches (see Geographical Journal, Jan. 1910) which indicate that 30,000 earthquakes may occur annually, the number of entries in the catalogue of Montessus cannot be regarded as abnormal. If the seismicity of the world has been constant during the last 1900 years, the number of earthquakes which have taken place during this period may have been 60,000,000. If we exclude small disturbances, and only consider world-shaking earthquakes, which at the present time take place at the rate of about 60 per year, these would during the same interval have numbered some 100,000. The entries in the present Catalogue are less than 6,000. Several reasons for the smallness of this number compared with what we should expect to find in a complete list, have already been indicated. To these it must be added that it has only been possible within the last few years to record disturbances originating in oceanic beds and in uninhabited regions. It is these instrumental records made during the last 10 years which have enabled me to give estimates of the total number of large earthquakes occurring in the world per annum. A list of earthquakes, each of which has been recorded over a

hemisphere or the whole world since 1898, will shortly be published as a supplement to this Catalogue.

In addition to this, I may add that during the last half century, archives previously unknown or inaccessible have become available. The *Jishin Nendaiki*, or Earthquake Calendars of Japan and Chinese histories have been translated, whilst almost every civilised country has found one or more specialists to work out its seismic history.

Foundation of Catalogue.—As a foundation for the present list I first made excerpts from the catalogues of Mallet, Perrey and Fuchs. This was extended from lists culled from catalogues and histories of many foreign countries, a work which involved translation from Chinese, Japanese, Russian, Icelandic and other languages. In this I received great assistance from Mr. E. H. Parker, Professor of Chinese at the University of Manchester, my assistant, Mr. Shinobu Hirota, Mr. W. A. Taylor, Mr. C. A. Gosch, Monsieur E. Scavenius, the Rev. M. S. Masó, S.J., Mr. H. Hope-Jones, Count Montessus de Ballore and other gentlemen to all of whom I now offer my sincere thanks. The back numbers of *The Times*, *Nature*, and other papers gave a certain amount of information. Lastly, I have had the advantage of a large number of lists and documents relating to earthquakes collected from various parts of the world and put at my disposal by the Foreign, Colonial and India Offices. To all these sources of information I will refer in detail. In sifting this somewhat large quantity of material, it might be suggested that the process of elimination may occasionally have been too strict. For example, small earthquakes may have been rejected which were really the surface record of shocks which were megaseismic at their origin. Inasmuch as the rejections are confined to what are clearly *aftershocks*, and to disturbances which were only *felt* at one or two places and that experience has shown that vibrations which can be felt have not travelled very far, I do not think the errors due to omission are numerous. Not only have certain small earthquakes been omitted, but whenever the information on which the accounts of large ones has been based have been of a doubtful character, these also have been rejected. For example, Mallet refers to disturbances which Barrata, the Italian seismologist, either omits or considers to be founded upon information which is unreliable. Mr. W. A. Taylor points out that the earthquakes of 843 and 846 in Naples, 950 in Syracuse, 981-995 in Sicily, 1007 or 1008 in Apulia, and 1245 in Nardo, are disturbances of a doubtful character, and are spoken of as mendacious. I have also omitted earthquakes which are said to have accompanied the birth and death of sacred personages and martyrs. At the birth and death of Christ, at the martyrdom of St. Agatha, at Calabria in A.D. 255, the day of burial of St. Agnes, A.D. 304 and at the decapitation of Sts. Valantino and Ilaria in A.D. 306 we are told great earthquakes are said to have taken place.

That great earthquakes took place in years approximating to certain of these dates there is no doubt, but we must remember that to fix a date in those early times is extremely difficult.

The Catalogue attempts to give the year, month and occasionally the hour when a large earthquake occurred; the country or district shaken; the names of the places most disturbed, the intensity of the movement and the authority from which information has been derived.

Dates.—The entries in this Catalogue embrace the period A.D. 7, November 10th, to A.D. 1899, December 31st. For recent times it is easy to give a date but for ancient times and in particular countries it is often difficult.

Not only has confusion arisen owing to differences in chronologies, but also owing to changes in *style* and as the early workers were probably without tables enabling them to transpose the dates of one system into that of another, mistakes have been made. It is therefore not surprising that we meet with two or more dates for the same event. In this Catalogue, in the majority of cases, the dates adopted are those found in the catalogues mentioned, but when translating new material as for example that from China and Japan, European dates have been computed. For these latter it is seldom that the hour has been mentioned. Where it is given as that of *the horse, the cow, the monkey*, or by some other animal name, this has been omitted, its reliability being doubtful. In the few cases where hours are noted they are expressed in Greenwich mean Civil Time, in which 24 hours corresponds to midnight and 12 to midday.

The dates given for China, Japan and Korea have been computed from tables published by the late William Bramsen, and lately republished in the Transactions of the Asiatic Society of Japan by the Rev. E. W. Clement who adds comparative chronological tables of the Christian Era, Japanese Eras and Emperors, Chinese Eras and Emperors and Korean Kings, with years of the Sexagenary Cycles from 660 B.C. to 1910 A.D.

Although a particular day is usually specified as the one on which an earthquake took place, it must be remembered that these may have been "foreshocks" and "aftershocks" in previous and subsequent dates.

Names of Countries and Places.—The names of Countries, Provinces, Departments, &c., together with political boundaries have during historical times had many changes. So far as possible the names used are those given by the authorities quoted, and correspond to names found in an English atlas. Provinces, Departments, Counties, States and Districts are given in parentheses. For example (Florence), (Campobasso), (Cosenza) indicate Provinces, while Florence, Campobasso, Cosenza indicate towns. Places which suffered most are printed in italics. In certain instances Districts, Towns or Islands, like Savoy, Nice and Malta, may appear to have the wrong country prefix. Savoy and Nice are now attached to France,

and Malta to Great Britain, but geographically they belong to Italy. Earthquakes which have been serious in two or three countries, and have originated on borderlands, may be prefixed with the name of either country. When a town has now or has had in the past more than one name, I have adopted that which is most familiar in the English language. Where I have found the name of a place or district differently spelt in three modern atlases, as for example Provinces in China, and again spelt differently by sinologues, so far as possible I have adopted that of the authority quoted. I have not adopted it in cases where the spelling might make the name of the place unrecognisable, for example a city in Japan known as Kobe is sometimes spelt by sinologues as Kaube.

For a certain number of place names in China I have adopted the spelling given to me by Prof. E. H. Parker, but for the majority of places in that country I have used that given in a geographical dictionary of the Cities and Towns of China by G. M. H. Playfair. In these we often find the suffix *Fu*. This means a prefecture or one of the largest sub-divisions of a province. In a few instances it has been difficult to identify the position of a town. For example, San José in South America may mean one out of at least 37 places. In that Continent in particular, we frequently meet with many towns and villages of the same name in a single country. Difficulties have also been occasioned in the identification of place names which during historical times have passed out of existence. To criticise my spelling is an easy matter. All I have tried to do has been to make a text intelligible. The atlases used have been Stieler, Harmsworth, Bartholomew, and Phillip's. A useful set of volumes in tracing out place names has been "The Gazetteer of the World" and its companion atlas. Localities which could not be found in these works have been referred to Mr. John Bolton, F.R.G.S., who has very kindly solved many difficulties.

Intensity of Earthquakes.—I have indicated the intensity of earthquakes by the Roman numerals I. II. III.

I. This means that an earthquake had an intensity sufficient to crack walls, break chimneys, to shatter old buildings or to produce slight cracks in the ground. It implies an acceleration or rapidity in the change of velocity of the surface of the ground of 1000mm. or 3ft. per sec. per sec. This means that each back and forth vibration of the ground corresponded to the jerk we should experience on a truck which commenced to move at the rate of 3ft. per sec. or when moving at that rate it was suddenly stopped. When this takes place the destructivity is usually confined to a town or village and the radius of the area effected will not exceed 5 miles.

II. With earthquakes of this intensity the acceleration is 1500mm. or 5ft. per sec. per sec., and its effect will have a radius of 20 miles. Buildings may be unroofed or shattered and

some may fall, the ground may be badly cracked in places and small landslips occur.

III. Earthquake with this intensity are those which destroyed towns and devastated districts. The ground has been faulted and fissured whilst from these openings water, mud, and sand may issue. In a hilly country landslips will be common. The acceleration may exceed 3000mm. or 10ft. per sec. per sec. Beyond the meisoseismic area up to a distance of 100 miles the effects produced may be similar to those of Class I.

The origin of all these earthquakes may generally be assumed to be along the line of fault or fracture in the earth's crust. Motion sufficient to cause destruction may extend to the right and left of such a line to distances of 100 miles. With earthquakes of Class I this distance may not exceed 5 miles. Should the fault or faults run parallel to a mountain range, which is commonly the case, it is rarely that violent motion will extend beyond such a barrier. Destruction frequently takes place along the length of the valleys. In consequence of these limitations and extensions, the area violently shaken is usually elliptical in form, the major axis of an ellipse corresponding to the length of the fault or line from which the initial impulse or impulses have originated. Tele- or cryptoseismic motion which cannot be felt, but which can, with proper instruments, be recorded, does not appear to be limited by mountain barriers, but extends farther in the direction of the primary impulses or at right angles to fault lines than it does in the direction of their length. For example, the movement which caused destruction in Central California on April 18th, 1906, originated along a line of faulting 400 or more miles in length. This ran parallel to the coast of California. The most violent impulses occurred near to the centre of this line but their destructive effects were bounded on the East by the Sierras and other ranges about 150 miles distant. Very marked teleseismus however passed this barrier and extended in the direction of the initial effort round the world. The corresponding teleseismic records obtained from South America were, however, comparatively small. Notes on this subject will be found in *British Association Reports*, 1908, p. 74, and in *Nature*.

PRINCIPAL SOURCES OF INFORMATION.

Mallet's Catalogues.—The Catalogues of Mr. Robert Mallet are to be found in the British Association Reports for the years 1852-3-4. For each entry he gives one or more references to the sources from which he obtained his information. His first entry, 1606 B.C., which is given on the authority of Exodus, XIX., 19, and his last, 1842 Dec. 4, for which seven references are given from seven foreign publications. In the early part of his work we find many Biblical references which are intercalated with or followed by the names of ancient writers, amongst

whom we find Strabo, Herodotus, Livy, Thueydides, Justinus, Orosius, Julius Obsequens, Tacitus, Seneca, Theophanes and many others. Humboldt and V. Hoff are quoted for early and for late dates. Dom. Bouquet is often quoted. We also find references to Matthew of Westminster, the Edinburgh Encyclopædia, Bertrand, and Merian both in the "Collection Académique," The Gentleman's Magazine, Philosophical Transactions of the Royal Society, Silliman's Journal, various books of travel, the Gazette de France, Poggendorff's Annalen, Journ. des Débates, &c. At the end of his Report in 1858 he gives a catalogue of works covering 16 pp.

Catalogues and Memoirs by M. Alexis Perrey.—A list of Memoirs by M. Perrey, which are 59 in number, is given by Mallet in his British Association Report for 1858. In Perrey's bibliographical catalogues, published in 1855-56, there are references to 1837 different works on seismology. His earthquake catalogues published in "Mémoires de l'Académie de Dijon" and in "Bulletins de l'Académie Royale de Bruxelles" contain records from 1842-64. They are a continuation of the work of Mallet.

Catalogues of Dr. C. W. Fuchs.—These catalogues appear in the "Neues Jahrbuch für Mineralogie, Geologie* und Palæontologie" vols. 1866 to 1872. These refer to earthquakes of 1865-1871 inclusive. In the Jahrbuch der K. K. Geologischen Reichenstalt 1873 Band XXIII to 1877 Band XXVII we find registers of earthquakes for 1872 to 1876. Catalogues by Fuchs also appear in the "Mineralogische und Petrographische Mittheilungen," Neue Folge Band I to VIII, they contain references to earthquakes 1877 Jan. 2, to Nov. 6, 1884. This work, with the exception of the years between 1870 and 1877, is a continuation of Perrey's work, but it is by no means so complete.

There are many catalogues referring to earthquakes in general prior to Mallet, but I do not know of any subsequent to these collated by Fuchs. Since 1870 however, many catalogues referring to countries or regions have been compiled.

Italian Records.—Mario Baratta, in his "I Terremoti d'Italia," published by Fratelli Bocca, Turin, 1901, gives in a volume of 950 pp. accounts of 1,364 earthquakes which have shaken the Italian Peninsula. The date of the first is A.D. 1 and of the last 1898. Each earthquake is discussed and in many instances small maps are given showing the area disturbed. References to authorities occupy 103 pp.

Austrian (Central) Records.—These have been abstracted from a "Chronologische Übersicht der Wiener Erdbeben" by P. v. Radies, see Die Erdbebenwarte 1908-1909 pp. 118-141.

Russian Records.—In the Memoirs of the Imperial Russian Geographical Society, vol. XXVI there is a catalogue of the earthquakes of the Russian Empire, by Mushketof and Orlof. It contains 2,574 entries. An abstract of this is given in the

British Association Report for 1910. Many of the disturbances extended into or originated in Chinese Territory.

Chinese Records.—These have been obtained from several sources.

1. A catalogue by Ed. Biot, published in the "Annales de Chimie et de Physique." Tome II, 1841, p. 372. It contains 480 references.

2. A translation made by Mr. Shinobu Hirota of a list of Chinese earthquakes by Professor Omori, published in Chinese idiographs in the Proceedings of the Earthquake Investigation Committee of Japan, vol. XXIX, published in Tokio. In the British Association Report for 1908 an abstract of this catalogue and that of Biot has been given by Mr. Hirota.

3. A list abstracted and translated by Professor E. H. Parker from the Tung-Hwa-Lu. This work consists of about 100 vols., to read and index which occupied Professor Parker four years. The earthquake list comprises the period 1643-1872. The English translation is to be found in the British Association Report, 1909.

4. An abstract also made by S. Hirota from a "Catalogue des Tremblements de Terre, Signalés en Chine," par le R. P. Pierre Hoang, published by La Mission Catholique in Shanghai, 1909. This is a work of 298 pp. The first entry is 1767 B.C. and the last 1896 A.D. In it the same earthquake is repeatedly entered at the different places at which it was noted. For example, an earthquake which took place on July 24 and 25, 1668, is notified at 203 places. These are found in different parts of the volume.

The information derived from these different sources, together with those obtained from the Russian catalogue, are by no means always in agreement. It is often for example difficult to decide whether the date for an earthquake refers to its time of occurrence or to the time when it was notified at some Imperial City. For this reason some of the dates given in the present catalogue are not strictly in accordance with those published in the British Association Report.

Formosan Records.—Records relating to Formosa have been translated and abstracted by Mr. S. Hirota from a list of Formosan earthquakes published in idiographs by Mr. Kondo and Professor Ogawa (see Publications of the Earthquake Investigation Committee of Japan, vol. LIV).

Japanese Records.—The entries from Japan have been obtained from the following sources:—

1. From a catalogue by Professors. Sekya and Omori, Proceedings of the Earthquake Investigation Committee of Japan, vol. XLVI. This, which is in Japanese, was abstracted by Mr. Hirota.

2. A Catalogue by Professor J. Milne published in the Transactions of the Seismological Society of Japan, vol. III.

p. 65. This is a compilation made from the translations of 64 different works in Japanese characters.

3. Catalogue of Japanese Earthquakes by Dr. Edmund Naumann, *Mitt. d. Deutsch. Gesellschaft f. Natur u. Volkerkunde Ostasiens*, Aug. 1878.

4. Destructive Earthquakes in Japan by Dr. T. Hattori, *Transactions of the Asiatic Society of Japan*, vol. VI, part 2.

Indian Records.—A great number of these have been taken from a list given by Thos. Oldham in the *Memoirs of the Geological Survey of India*, vol. XIX, part 3. Other references are to be found in the *Records of the Geological Survey of India*, vol. XVII, part 2, vol. XVIII, parts 3 & 4, vol. XXVI, part 2. *The Journal of the Asiatic Society of Bengal*, vol. XLVII, part 2, pp. 131-140. *Proceedings of the Asiatic Society of Bengal*, March 1883, pp. 60-66.

British Records.—These were taken from the “East Anglian Earthquake of 1884” by R. Meldola and W. White, published by the Essex Field Club and Macmillan & Co., London, and also from an excellent catalogue by W. Roper, printed in Lancaster, 1889. His list of references occupies two pages.

Icelandic Records.—These were abstracted by C. A. Gosch, Esq., from “Jardskjálftar á Sudurlandi” and “Landskjálftar á Islandi,” by Thorvald Thoroddsen, Copenhagen, 1899-1905. A second abstract of this work was received from the Hon. Sir Allan Johnstone, British Minister in Denmark.

Central American Records.—These were taken from *Tremblements de Terre et Eruptions Volcaniques au Centre-Amerique par F. de Montessus de Ballore*, published at Dijon, Imprimerie et Lithographie Eugene Jobard, 9 Place Darcy, 1888. Emilio Böse in his “Temblores del 14 de Abril de 1907” published by the Instituto Geologico de Mexico, 1908, gives a list of destructive earthquakes which have occurred in or near to Acapulco.

Mexican Records.—A full list of destructive earthquakes which have taken place in Mexico is given by D. Juan Orozco y Berra, in *Memorias de la Sociedad Cientifica “Antonio Alzate,”* commencing in Tomo 1, números 6 y 7, ending in número 8. His first date is 1460 and his last 1899. An abstract in the Spanish language of this work I received through the Foreign Office from His Majesty’s Representative in Mexico, His Excellency Reginald T. Tower, C.V.O. From 1899 to 1909 entries are given which are not found in the original work.

Peruvian Records.—Through the Foreign Office I received from Lucien J. Jerome, Acting Chargé d’Affaires, a list of earthquakes which have taken place in Peru, drawn up by Mr. H. Hope-Jones, a member of the Geographical Society of Lima.

Chilian Records.—Through the Foreign Office and His Excellency H. C. Lowther, I received from Count F. de Montessus de Ballore a provisional list of destructive earthquakes of the Southern Andes, south of latitude 16° (S. Peru,

Chile, Bolivia, W. Argentina), see Report, British Association, 1910.

United States Records.—The records for the United States were chiefly collected by Prof. Harry Fielding Reid, Johns Hopkins University, Baltimore. He obtained his material from the following sources:—Holden's Catalogue of Earthquakes on the Pacific Coast, 1769 to 1897, Smithsonian Miscellaneous Collection, 1087, McAdie's Catalogue of Earthquakes on the Pacific Coast, 1897 to 1906, Smithsonian Miscellaneous Collection, part of Volume XLIX, Historical Notes on the Earthquakes of New England 1638 to 1869, William T. Brigham, Memoirs of Boston Society of Natural History, Volume II; “Note additionelle” by A. Lancaster, same; Rockwood's lists in the American Journal of Science; Dr. E. Deckert's paper on “Die Erdbebenherde, etc., von Nord-America, etc.” in the “Gessellschaft für Erdkunde,” Berlin, 1902; C. D. Perrine, Earthquakes in California, U.S. Geological Survey, 1895.

Prof. W. H. Hobbs, in his volume on “Earthquakes,” describes certain heavy shocks.

West Indian Records.—Records of West Indian earthquakes have been largely taken from Government Reports printed in Jamaica, after the destructive earthquake of January 14, 1907.

Philippine Records.—A list of these has been published by the Rev. Miguel Saderra Masó, S.J., Assistant Director of the Weather Bureau in Manila. It contains an appendix for the Marianas Islands. The entries run from 1599 to 1909.

East Indian Records.—Long lists of earthquakes which have taken place in the Dutch East Indies have been published annually since the year 1865. They are by different authors and are to be found in the “Natuurkundig Tijdschrift voor Nederlandsch Indie.”

Official Documents.—These are represented by a fairly large collection of letters, registers and other papers referring to destructive earthquakes in various parts of the world. They were brought together by the Foreign, Colonial, and India Offices, with the assistance of representatives of His Majesty's Government in Foreign Countries, Colonies and Indian Empire.

It is not for one moment supposed that this Catalogue is free from omissions and mistakes. Should a reader notice them I trust he will give me an opportunity of rectifying the same either in the appendix now in preparation or in some future publication.

JOHN MILNE.

SHIDE,
ISLE OF WIGHT,
ENGLAND,
FEBRUARY, 1912.

LIST OF ABBREVIATIONS.

B.	refers to Baratta (Italy).
Bi.	„ Biot (China).
Bo.	„ Böse (Mexico).
C.V.	„ Ch. Vélain (Italy).
D.	„ Deckert (N. America).
F.	„ Fuchs (General).
F.R.	„ Fielding Reid (U.S.A.).
II.	„ Hirota (China, Japan, Formosa).
H.J.	„ Hope-Jones (Peru).
Ho.	„ Hoang (China).
M.	„ Mallet (General).
M.H.	„ Maxwell Hall (Jamaica).
Mi.	„ Milne (Japan).
Mon.	„ Count Montessus de Ballore (Central and South America).
M. & O.	„ Mushketoff & Orlof (Russia and Asia).
M. & W.	„ Meldola & White (Britain).
N.	„ The Journal " Nature " (General).
O.	„ Omori (Japan and China).
Ol.	„ T. Oldham (India).
O.B.	„ Orozco y Berra (Mexico).
O.D.	„ Official Documents (General).
O.N.T.	„ Natuurkundig Tijdschrift voor Nederlandsch-Indie (Dutch East Indies).
P.	„ Perrey (General).
Pa.	„ Parker (China).
Pe.	„ Perrine (California).
R.	„ Röper (Britain).
Ra.	„ Radies (Austria).
R.S.	„ E. Rudolph and S. Szirtes (Colombia and Ecuador).
S.M.	„ Sadera Maso (Philippines).
Th.	„ Thoroddsen (Iceland).
Ti.	„ " The Times " Newspaper (General).

I, II, III See p. 653.

Departments, Provinces, Counties, Districts are in parenthesis. Localities most severely shaken in Italics.

CATALOGUE OF DESTRUCTIVE EARTHQUAKES.

A.D.

7	Nov. 10	China (Shensi), The Imperial City Changan, now Hsian and the northern district III H.
15		Italy, Rome II B.
17		Asia Minor III M.
18	Mar. 18	Italy, Reggio (Calabria), Sicily II B.
20		Italy, Rome I B.
25		Italy, Rome I B.
27		Italy, Rome I B.
33		Asia Minor, Bithynia and Palestine I M.
46	Oct. 23	China, Earthquake in forty-two counties, Nanyang (Honan) III H.
63		Italy, <i>Pompeii, Herculaneum</i> , Naples and other places in (Campania) III B.
68 or 69		Italy, Chietino in the (Abruzzi) II B.
77 or 78		Island of Cyprus III M.
79	Nov. 23	Italy (Campania), associated with the great eruption of Vesuvius which buried Pompeii I B.
85		Italy, Rome I B.
94		Italy, Rome II B.
103		England (Somersetshire) I M. & W.
109 or 110		Asia Minor, Galatia III M.
116		Italy, Rome II B.
119	Mar. 11	China (Honan), The Imperial City Loyang, Honan Fu. It was felt over forty-two counties III H.
121	Oct. 10	China, thirty-five counties were shaken and towns damaged III H.
128	Feb. 23	China (Kansu), The Imperial City and Hanyang, now Fuchiang, Kungchang Fu III H.
132		West of Scotland I M. & W.
138	Mar. 1	China (Kansu), Imperial City and Chinching in Lanchou Fu, Lungshi in Kungchang Fu III H.
144	Feb.	China (Kansu), Liangchou Fu, and six neighbouring districts III H.
177		Italy, Sicily III B.
180	Jan.	China (Kansu), Chiuchuan in Kanchou Fu III H.
204		England (Brecknockshire) I M. & W.
205		Wales, Caerleon II R.
234	Dec.	China (Honan), Loyang in Honan Fu II H.
238		Italy, Vicenza II B.
243 or 245		Italy, Verona II B.
254		Italy, Verona II B.
258		Italy, Rome III B.
260-61		Italy, Vicenza, Padua III B.
261		England (Cumberland) I M. & W.
262		Asia Minor, Libya I M.
286	March	China (Ssuehuan), Chushih of Chienwei in Chiating Fu and Yiping now Lungan Fu II H.
287		England, Worcester I M. & W.
288	June 7	China (Hunan), Changsha Fu and (Kuangtung), Nanhai, Canton and eight districts I H.
290	July 24	Italy, Lodi in (Lombardy) II B.
294	June	China (Ssuehuan), Chengtu III H.
294	Sept.	China, Shangku, Hsuanhua Fu, comprising the north part of (Chihi) III H.
294	Dec.	China (Honan), Kaifeng Fu, Nanyang Fu II H.
300		Italy, Atella in the Basilicata I B.
319	Jan.	China, Luling in Chian Fu in Yuchang, literary name of (Kiangsi); (Hupeh), Wuchang and Hsiling, now Yichang Fu II H.
319	June	China (Shansi), Chishan in Taiyuan Fu III H.
324 or 344		Italy (Campania) III B.
326		Italy, Sicily III B.
341		Italy I B.

A.D.		
341		Armenia I M. & O.
353		Scotland, Edinburgh II R.
357		Italy, Sicily II B.
362, 365, or 369		Italy, <i>Sicily</i> and <i>Reggio (Calabria)</i> III B.
365 or 369	July 21	Italy (<i>Venetia</i>), <i>Padua</i> and <i>Belluno</i> ; (<i>Lombardy</i>); <i>Spolet</i> (<i>Perugia</i>) and <i>Trevi (Umbria)</i> III B.
369		Italy, <i>Benevento</i> II B.
375	July 21	Asia Minor, <i>Nicia</i> or <i>Isnik</i> III Ol.
376		Italy, Sicily, and violent in <i>Alexandria</i> in Egypt, Crete and Greece III B.
392		Italy, Rome I B.
412	Jan. to April	China (<i>Kiangsi</i>), <i>Nankang Fu</i> , <i>Chian Fu</i> I H.
416	Aug. 23	Japan (<i>Kawachi</i>) I Mi.
419		Palestine III M.
424		England (<i>Cornwall</i>) II M. & W.
427		Turkey, Constantinople III M.
441		Turkey, Constantinople III Ol.
441-55		Italy, Rome II B. & M.
457?		Asia Minor, <i>Antioch</i> III Ol.
462	Aug. 16	China, <i>Yenchor</i> in <i>Lu</i> and the south part of (<i>Shantung</i>) I H.
467		Italy, <i>Ravenna (Emilia)</i> , Rome II B.
471 or 472		Asia Minor III M.
477		Italy, Rome II B.
483		England, <i>Canterbury</i> I M. & W.
494		Asia Minor, <i>Syria</i> , <i>Laodicea</i> or <i>Latakia</i> , <i>Hierapolis</i> , <i>Tripoli</i> and <i>Agathicum</i> III M.
499	August	China (<i>Kiangsu</i>), <i>Chiangning Fu</i> II H.
508		Italy, Rome II B.
518		Hungary (<i>Dardania</i> or <i>Darda</i> ?) III M.
528	Nov. 29	Asia Minor, <i>Antioch</i> III M.
534		England (<i>Somersetshire</i>) I M. & W.
543	Sept. 6	Throughout the then known world III M.
553		Italy, Rome II B.
553 or 555	Aug. 15	Turkey, Constantinople III M.
558	Dec. 25	Italy, <i>Ancona</i> and <i>Numana</i> now <i>Umana</i> III B.
573		China (<i>Kansu</i>), <i>Liangchou Fu</i> III H.
579 or 580		France, <i>Bordeaux</i> and <i>Pyrenees</i> I M.
599	May 28	Japan (<i>Yamato</i>) I Mi.
600		Italy (<i>Tuscany</i>) II B.
600	Dec. 13	All China (<i>Shansi</i>), <i>Hsian Fu</i> ; (<i>Kansu</i>), <i>Chin</i> , <i>Kung-chang Fu</i> ; (<i>Shantung</i>), <i>Chining Fu</i> , <i>Wuting Fu</i> , <i>Laichou</i> ; (<i>Hunan</i>), <i>Changsha Fu</i> ; (<i>Chekiang</i>), <i>Huchou Fu</i> III H. & Ho.
624	Aug. 15	China (<i>Hupeh</i>), <i>Tsunchou</i> now <i>Chungyang</i> in <i>Wuchang Fu</i> ; (<i>Sszechuan</i>), <i>Ningyuan Fu</i> II H.
624		Italy (<i>Tuscany</i>) I B. Perhaps same as 600.
638	Feb. 15 or 16	China (<i>Sszechuan</i>), <i>Sung</i> and <i>Tsung</i> , <i>Lungan Fu</i> II H.
646	Oct. 17	China (<i>Kansu</i>), <i>Ling</i> I H.
649	Sept. 12	China (<i>Shansi</i>), <i>Hotung</i> , comprising <i>Puchou Fu</i> , <i>Pingting</i> , <i>Chiang</i> , <i>Ho</i> , <i>Chieh</i> III II.
658	June	Asia Minor, <i>Palestine</i> and <i>Syria</i> I M.
659		Italy, Sicily III B.
672		Italy, <i>Pistoia (Tuscany)</i> I B.
675	Dec. 2	Japan (<i>Yamato</i>) I Mi.
677		Scotland, <i>Glasgow</i> I M. & W.
677	July 22	Japan (<i>Yamato</i>) I Mi.
678	Jan.	Japan, <i>Kiushu</i> III O.
678	July 19	Japan (<i>Yamato</i>) I Mi.
678		Italy, <i>Arezzo</i> and other cities (<i>Tuscany</i>) II B.
682	Sept. 19	Japan (<i>Yamato</i>) I Mi.
684	Nov. 16	Japan (<i>Izu, Tosa</i>) II Mi.
686	Sept.	China (<i>Kansu</i>), <i>Kanchou Fu</i> II H.
701	May 6	Japan (<i>Tanba</i>) I Mi.
705	July 2	China (<i>Kiangsu</i>), <i>Yangchou Fu</i> , <i>Changchou Fu</i> , <i>Suchou Fu</i> II H.
706	Sept.	China (<i>Sszechuan</i>), <i>Chentu Fu</i> and six near districts II H.

A.D.	Feb. 14	China (Shansi), Pingyang Fu, Fenchou Fu, Chiang III H.
712	Feb. 28	Asia Minor, Antioch III Ol.
713 ?	or July 9	Japan (Totomi, Mikawa) I Mi.
715	June 30	Asia Minor and Turkey, Isnik-Membeji in Armenia, Constantinople III M. & O.
729	June 1	China (Shensi), Lantien, Hsian II H.
734	Mar. 10	China (Kansu), Chinchou now Kungchang III H.
734	May 14	Japan, Nanto, Kinai and seven provinces II Mi.
737	Nov. 28	Japan (Osumi) II O.
738	Jan. 16	Palestine ? III Ol.
739		Italy, Rome I B.
740	Oct. 26	Turkey (Thrace), Constantinople and Asia Minor. In some places the sea retired III M.
742		Egypt and the desert of Saba in Arabia II M.
744	June 19	Japan (Higo) III Mi.
745 (ea)		Italy, Venice and surrounding Islands II B.
745	June 5	Japan (Mino) III Mi.
745	June 22	Japan (Settsu) I Mi.
746	Jan. 18	Syria and Palestine III M.
756	Nov. 27	China (Kansu), Hohsi, north-west of Ninghsia Fu, Chang-ye in Kanchou and Chiuchuan now Szechou III H.
758		Italy III B.
762	May 30	Japan (Hida, Mino, Shinano) II Mi.
766	July 20	Japan (Osumi), Niijima formed III O.
775		Russia, Mozan and Daralagoz, 39°45N. 45°20E. (Siyunik) III M. & O.
777		China (Chihli), Tzulu in Paoting Fu, Chaochou and Ning-chin III H.
778		Italy, Treviso and other parts (Venetia) III B.
780		Italy, Rome I B.
788	Feb. 13	The whole of China. The most damage was done at <i>Kin</i> in (Hunan), <i>Fang</i> in Yunyang Fu (Hupeh) and The Imperial City Hsian in (Shensi) was destroyed III H.
793	April 30	Italy, Verona and neighbourhood II B.
793	May 27	China (Shensi), Imperial City Hsian, Kuannei and neighbouring districts ; (Shensi), Hochung Fu or Puchou Fu III H.
794		Egypt, Alexandria II M.
794	May 14	China (Shensi), Imperial City Hsian I H.
797		Italy, Sicily, also in Crete II B.
797	Sept. 9	Japan, Kioto I Mi.
801	April 30-	Italy III B.
803		Russia, Khogot Mountains, Khoja near Tabriz ? II M. & O.
807	June 14	Japan, Kioto I Mi.
811		Scotland, St. Andrews, destroyed town and 1,400 people III R.
812	Sept.	China (Shensi), Imperial City Hsian I H.
814	April 1	China (Yunnan), Suichou in Lichiang Fu III H.
815		Italy, Ravenna and throughout Italy III B.
818	Aug. 10	Japan (Sagami, Musashi, Hitachi, Kotsuke, Shimotsuke) III Mi.
823	End of year	Germany, Aix-la-Chapelle II M.
827	Aug. 7	Japan, Kioto II Mi.
828	Dec. 2 or 3	Japan, Kioto I Mi.
829	April 7	Japan, Kioto I Mi.
830	Jan. 30	Japan (Uzen, Ugo), Akita. Duration 25 days III Mi.
833	Mar. 16	Japan, Kioto I Mi.
835	April 11	China (Shensi), Imperial City Changan or Hsian I H.
836	June 7	Japan, Kioto I Mi.
841	Mar. 5 or 7	Japan (Shinano, Izu), 94 shocks II Mi.
841	July 30	Japan (Izu) II O.
844		England, York I M. & W.
847	June	Italy, Benevento (Campania), Isernia (Molise), Rome and Ancona II B.

A.D.			
849	Oct. 20	China (Chihli), Shangtu, also called Luanching; also (Shansi), Chenwu or Kueihuacheng in Soping Fu; (Shensi), Hosi, E. of Chaoyi, Tiente, Lingwu in Hsienyang III H.	
850	Nov. 12	Japan (Uzen, Ugo) III Mi.	
853		Italy, Boiano (Molise) II B.	
856	Mar. 13	Japan, Kioto (Yamashiro, Yamato, Kawachi, Izumi, Settsu) II Mi.	
856	Dec. 13	Switzerland, Bale I M.	
856	Dec.	Greece, Corinth; 45,000 lives lost III Ol.	
856	Dec. 3	Persia, Khorasan, Alamana III Ol. Mallet gives Hamadan also Syria.	
to 875, Jan. 1		Japan, Kioto I O.	
859	Dec. 1	Asia Minor, Antioch, 1,500 houses fell; Laodicea or Latakia, also Bagdad, Damascus and Tarsus III M. & Ol.	
863		Caucasia, neighbourhood of Eriwan II M.	
863	June 29	Japan (Etchu, Echigo) II Mi.	
864	Nov. 14	Japan, Kioto; (Suruga, Kai) I Mi.	
865	Dec.	China (Shansi), Chin, Chiang in Hotung, now Taiyuan Fu II H.	
867	Mar. 9	China (Shansi), Hochung, Puchou Fu, Chin and Chiang, Taiyuan Fu III H.	
867	June 21	Japan (Higo) I O.	
868	July 30	Japan (Harima, Tanba, Settsu); Kioto II Mi.	
869	July 9	Japan, Oshu; (Rikuzen) II Mi.	
869		Russia, Dvin or Tovin III M. & O.	
873	May 14	Japan, Kioto I Mi.	
873	Oct. 10	Japan, Kioto I Mi.	
875	Feb. 8	Japan, Kioto; (Satsuma) I Mi.	
876	July 14	China (Chihli), Paoting Fu III H.	
877	April 27	Japan, Kioto I Mi.	
877	Nov. 2	Japan, Kioto I Mi.	
878	Oct. 28	Japan (Sagami, Musashi, Awa, Kazusa, Shimosa, Hitachi, Kotsuke, Shimotsuke) III Mi.	
879	March	China (Shensi), Imperial City Hsian also at Lantien I H.	
880	May 14	Japan, Kioto; (Izumo) II Mi.	
881	Jan. 13	Japan, Kioto I O.	
881	Jan. 28	Japan, Kioto I Mi.	
886	July 20	Japan, Kioto I Mi.	
887	July 24	Japan, Kioto II Mi.	
887	Aug. 22	Japan (Settsu, Shinano, Omi, Mino); Kioto III Mi.	
890		Italy, Milan II B.	
893 ?		Armenia, Dabil, Yamamahe and Yaman in Arabia III Ol.	
893		Russia, Dvin or Tovin III M. & O.	
894		Italy, Verona II B.	
894		Caucasia, Eriwan III M. & O.	
896		Italy, Rome I B.	
898	Aug. 22	Japan, Kioto I O.	
925	Nov. 3	China (Honan), Honan Fu; (Shantung), Tungchang; (Kiangsu), Hsuehfu; (Anhui), Fengyang Fu III H.	
932	July	China (Shansi), Taiyuan Fu II II.	
932	Sept.	China (Kansu), Kungchang Fu III H.	
934	July 11	Japan, Kioto II Mi.	
935	May 25	Japan, Kioto I O.	
938	May 17	Japan (Yamashiro), Kioto; (Yamato) II Mi.	
949	May 4	China (Chihli), Yuting, now Yungping Fu, Tsuang in Tientsin Fu, Shen in Chingho and Pei in Kuangping Fu II H.	
950, 951, or 952		Per multa Germaniae et Galliae loca II M.	
953	Nov.	China (Honan), Wei or Changte Fu, Lo now Honan Fu; and (Chihli), Hsing, now Shunte Fu II H.	
963	July 22	Italy, Sicily III B.	
965	Oct. 18	Japan, Kioto I Mi.	
968	Dec. 10	Italy, Rossano (Cosenza) and other places in (Calabria) II B.	
972	Mar. 31	Japan, Kioto I Mi.	
973	Oct. 25	Japan, Kioto II Mi.	

A.D.		
973		Italy, Ancona I B.
976	May 12	Japan, Kioto II Mi.
976	July 17	Japan, Kioto III Mi.
977	Feb. 27	Japan, Kioto I Mi.
981		Italy, Benevento, Capua. II B. Perhaps the same as that of 990
984	Dec. 3	Japan, Kioto III Mi.
989		Greece and Turkey (Thrace), Constantinople II Ol. M. & O.
990		Italy, Benevento, Ariano, Frigento and Conza (Campania); Ronza (Basilicata) II B.
991		Italy, Borgo S. Sepolcro (Arezzo) II B.
991	Apl. 5-May 1	Asia Minor, Damascus; 1,000 houses fell III Ol.
994	Nov. 29	Japan, Kioto I Mi.
995		Armenia, <i>Chapajar</i> , 38°48N. 40°30E., <i>Alhakh</i> and <i>Amit</i> , same as <i>Ami</i> ? III M. & O.
996	July 17	Japan, Kioto I Mi.
996	Oct.	China (Sszechuan), Tung now Tzutung in Mien; Kuansi forming (Shensi); Hsia forming (Lower Shansi); (Kansu), Ling in Ninghsia Fu, Huan and Ching in Chingyang Fu III H.
996	Nov. 10	Japan, Kioto I O.
999	Oct.	China (Kiangsu), Changchou Fu, Wuchin and Yangchu II H.
1000	Mar. 29	Throughout the known world III M. & O.
1000		England (Cumberland) II M. & W. Same as above?
1001		Italy, Verona II B.
1004	Feb. 15	China (Honan), The Imperial City Kaifeng I H.
1004		Italy, Padua I B.
1004 or 1005		Italy (Campania), Monte Cassino I B.
1005		Italy, Arezzo and throughout (Tuscany) II B.
1007		Persia (Irak), Deinar? III M.
1010	Jan. 6 to Mar. 9	Turkey, Constantinople I M.
1011	August	China (Chihli), Chenching, now called Chengting I H.
1013		Iceland, Southland II Th.
1014		England (Cumberland) I M. & W.
1019		Scotland I M. & W.
1022	March	China (Shansi), Liao, Ying in Tatung Fu and Yuan in Chiang II H. Hoang gives April-May.
1027	April 11	Japan, Kioto I Mi.
1029		Syria, Damascus II M.
1035		Palestine, Jerusalem II M.
1037	Dec.	China (Shansi), Taichou, 759 lives lost, Pingchou, now Taiyuan, 1,890 lives lost and <i>Hsinchou</i> , 19,742 lives lost III H. Biot gives January 24, 1038.
1037	Dec. 18	Turkey, Constantinople II M.
1040	Oct. 16	Japan, Kioto I Mi.
1040	Dec. 13	Japan, Kioto I Mi.
1040	Feb. 2	Persia, Tabriz, also Smyrna and in Africa III M.
1041	Aug. 7 or 27	Japan (Owari, Totomi); Kioto I Mi. Omori gives August 25.
1043	June 18	China (Shansi), <i>Hsinchou</i> II H.
1045		Asia Minor, <i>Erzincan</i> , <i>Ami</i> , 39°34N. 39°E. and <i>Ekeghiaz</i> III M. & O.
1045	Sept. 3	China (Kuangtung), Canton; (Hunan), Kingnan, Yochou I H. & Ho.
1046	April 18	China (Shantung), Tengchou Fu I H.
1052		Persia (Chusestan); Ardistan and Irak? (Khorasan) I M.
1057	March to April	China (Chihli), <i>Yuchou</i> , <i>Hsiungchou</i> in Paoting Fu and <i>Pachou</i> in Shuntien Fu III H.
1058		Mesopotamia, Mosul II M.
1063		Syria, especially at Tripoli I M.
1064	April 11	Italy, Brescia, Milan and throughout (Lombardy) II B.
1065	June 13	Japan, Kioto I Mi.
1067	Oct. to Nov.	China (Fukien), <i>Chuanchou</i> , <i>Changchou</i> , <i>Chienschou</i> , <i>Shaowu</i> , <i>Hsinghuachun</i> ; (Kuangtung), <i>Chaochou</i> Fu III H.
1068		China (Hunan), <i>Yiyang</i> in <i>Chansha</i> Fu I H.

A.D.

1068		China (Shantung), Hui and Tunga in Yunchou now called Tungping in Taian Fu ; (Chihli), Tsangchou, <i>Ching-chih</i> and <i>Mochou</i> , in Hochien Fu ; and <i>Hopei</i> in (Honan), comprising Changte Fu, Weihui Fu and Huaiching Fu III H.
1068	Dec. 31	China (Sszechuan), Yingchou II H.
1069	Jan. 18	China (Chihli), Tsang in Tiensin Fu I H.
1069		Syria, especially at Ramleh and Egypt II M.
1070	Nov. 25	Japan, Kioto, Nara II Mi.
1082 or 1083	Dec. 6	Turkey, Constantinople II M.
1083	Oct. 18	Italy, Sicily, Catania III B.
1091	Sept. 22	Japan, Kioto III Mi.
1091	Nov. 2	France, Angers I M.
1092		Asia Minor, Edessa and Antioch III M. & O.
1092		Asia Minor, Antioch and Damascus I M. Same as above?
1092	Nov. 1	China (Kansu), Lanchou, Cheniung ; (Shensi), Hsian Fu II H.
1092	Dec. 11	Japan, Kioto I Mi.
1093	Mar. 11	Japan, Kioto II Mi.
1093	Oct. 3	Italy, Venice I M. & B.
1095	Jan. 14 & 18	Italy, Benevento I B.
1095	Sept. 10	Italy, Venice and Verona I B.
1096	Dec. 11	Japan, Kioto II Mi.
1097	Aug. 21	Japan, Kioto I O.
1099	Feb. 16	Japan, Kioto II Mi.
1102	Jan. 15	China (Shansi), Chin, Hsi, Tai, Lan, Kelan, Paote, Ningwu, in Taiyuan Fu ; (Shensi), Shih, now Wupao and Weisheng, Suite Fu, N. and S. valley of the Yellow River III H.
1103	June 7	Japan, Kioto I Mi.
1104	April	Italy, Liguria I B.
1106		Italy, Venice II B.
1107 or 1114		England (Lincolnshire) I M. & W.
1110		England, Shrewsbury I R.
1111		Armenia (Van) II M. & O.
1111	May 6	Japan, Kioto I Mi.
1114	Mar. 12	Asia Minor, Samosata, 37°30N., 38°32E. ; Ghisn-Mansur, 37°45N. 38°20E. ; Khesun, 37°35N. 37°51E. ; Marash, 37°36N. 36°52E. ; Kaben, 37°49N. 36°25E. ; and Sis, 37°26N. 35°50E. III M. & O.
1114		Asia Minor, Antioch and the country round II M.
1114		Italy, Viterbo in (Latium) II B.
1115		Sumatra and Java I M.
1117	Jan. 3	Italy (Lombardy, Venetia), Montecassino (Caserta) III B.
1120		Austria-Hungary "In valle Tridentina" I M.
1120	Sept.	England, Vale of Trent II R.
1122		Arabia I M.
1122		China (Chihli), Hsiungchou in Paoting Fu II H.
1124	Feb.	China (Honan), Kaifeng Fu I H.
1124	Mar. 25	Japan, Kioto I O.
1124		Persia (Khorasan) III M. & O.
1125	Aug. 30	China, in the Hsiho Circuit North of Kansu ; (Kansu), <i>Lunchou</i> III H.
1125	Oct. 11	Italy, Benevento (Frentana and Sannium) II B.
1127		Syria, Tyre II M.
1128	Feb. 15	China (Shensi), Hsian Fu II H.
1131		Armenia, Ani II M. & O.
1133	Aug. 4	England I M. & W.
1133	Sept. 2	China (Hunan), Pingchian in Yochou Fu ; (Chekiang), <i>Huchou</i> II H. Biot gives Oct. 12
1134		Armenia, Dogodoph? II M.
1135	May 2	Japan, Kioto I Mi.
1136	July 9	China (Chekiang), Hangchou II H.
1137	Aug. 3	Japan, Kioto, I Mi.
1139		Mesopotamia, Hira, <i>Gansana</i> ? Aleppo and Ambar or Amla? III M.
1139		Caucasia (Elizabetpol), Ganja, 40°40N. 46°20E., Kapassi Dagh, 40°22N. 46°20E., III M. & O.

CATALOGUE OF DESTRUCTIVE EARTHQUAKES

A.D.

1140	Feb. 1	Italy, Syracuse and felt throughout Sicily	II	B.
1143		Tibet, Tangut country	II	M. & O.
1143	Nov. 25	Japan, Kioto	I	O.
1144	Jan. 7	Japan, Kioto	I	O.
1144	June 22	Japan, Kioto	I	O.
1148		Italy, Florence	II	B.
1151		Iceland, Southwestland, eruption of Trolladyngjur, houses fell and lives lost	II	Th.
1154	Feb. 15	France (Burgundy), <i>Cluniacum</i> or Cluny?	II	M.
1154	Oct. 17	Japan, Kioto	I	O.
1155	during winter	Asia Minor, Antioch, Damascus and Tripoli, 2,000 persons killed	III	M.
1155	Sept. 3	Japan, Kioto	I	Mi.
1156	Oct. 26	Syria, between Aleppo and Malatiah	III	M. & O. See Mallet, 1155.
1157	for 14 months	Iceland, Southland, Hecla, eruption of	II	Th.
1158	Jan. 19	Italy, Benevento and elsewhere	II	B.
1158		Asia Minor, Syria, Malatia, Antioch, Tripoli, Damascus, Aleppo, 20,000 perished	III	M.
1164	Mar. 19	Iceland, Southland, Grimsnes, 19 lives lost	II	Th.
1165	Jan. 26	Japan, Kioto	I	Mi.
1165	July 20	England (Norfolk, Suffolk and Cambridge)	I	R.
1168		Japan, Kioto	I	O.
1169	Jan. 24	Asia Minor, Erzingan	III	M. & O.
1169	Feb. 4	China (Ssuehuan), Shihchuan, Suiting Fu	II	H.
1170	May 9	Italy, <i>Catania</i> , Syracuse, throughout Sicily and (Calabria)	III	B.
1170	June 29	Italy (Latium), Ceccano	I	B.
1170		Syria, Hungary, Germany, Switzerland, Sicily and the north coast of Africa	II	M.
1170		Russia, Kief	III	M. & O.
1177	Nov. 19	Japan, Kioto, Nara	I	Mi.
1180	April 25	England, Nottingham	II	R.
1180	Dec. 22	Japan (Kii)	II	O.
1182		Asia Minor, Syria and Judaea	II	M.
1182		Iceland, Southland, 11 lives lost	II	Th.
1183	Aug. 15	Italy, Verona and many towns in (Lombardy)	II	B.
1183		Syria, Antioch, Damascus, Tripoli; more than 20,000 victims	III	M.
1183	Oct. 31	Japan, Kioto	I	Mi.
1184	Feb. 5	Japan, Kioto	I	Mi.
1184	May 24	Italy, Cosenza, the valley of the Crati and in Reggio in (Calabria)	II	B.
1185	July 18	Japan, Kioto, Kamakura	II	Mi.
1185	Aug. 13	Japan, Kioto	II	O.
1185		England, Lincoln	I	M. & W.
1186	Oct. 3	Japan, Kioto	III	O.
1186	Middle of Sept.	Almost universal in Europe; especially in England	III	M.
1186		England I M. & W. Same as above?		
1187	Nov. 13	Japan, Kioto	I	Mi.
1187	Nov. 20	Japan, Kioto	I	Mi.
1191	April 8	Japan, Kamakura	I	O.
1192		Italy, Arezzo and elsewhere in (Tuscany)	II	B.
1195	April 3	China (Honan), Kaifeng	II	H.
1196	May 3 or 4	[1198 according to Likosten and Frigius]. Poland (the Erzgebirge) and the greater part of Germany	II	M. & O.
1196	Autumn	Italy, Pistoia in (Tuscany)	I	B.
1198	May 2	Bohemia, village of Longaw	II	M.
1198		Italy, Pozzuoli in (Naples)	II	B.
1199	June 18	Japan, Kamakura	I	O.
1201	May 4	Austria, Vienna, Bohemia	III	Ra.
1201 or 1202		Asia Minor, Syria, Palestine, Mesopotamia and Cyprus	II	M.
1202	Feb. 29	Japan, Kamakura	I	O.
1204	Nov. 6	Japan, Kamakura	I	O.
1204		Egypt, Asia Minor, Syria, Mesopotamia, Irak, Cyprus and Sicily	I	M.

A.D.		
1205	Jan. 25	Japan, Kioto I O.
1205		Italy, Sicily II B.
1207	May 14	Japan, Kioto I O.
1208	Jan. 31	Japan, Kamakura I O.
1209	Dec. 6	China (Shansi), <i>Fushan</i> in <i>Pingyang Fu</i> ; about 3,000 lives lost III H.
1210	Mar. 24	China (Chihli), <i>Shuntien Fu</i> II H. & Ho.
1211	Feb. 19	Japan, Kamakura I O.
1211	July 7	Iceland, Southland; eruption in sea south of Reykjanes II Th.
1211	Aug. 19	Japan, Kamakura I O.
1212		Italy, Venice II B.
1213	June 11	Japan, Kamakura I Mi.
1213	Oct. 9	Japan, Kioto I O.
1214	Mar. 26	Japan, Kamakura I O.
1214	May 20	Japan, Kamakura, Kioto I O.
1214	Nov. 2	Japan, Kamakura I O.
1215	Sept. 30	Japan, Kamakura II Mi.
1216		Italy, <i>Subiaco</i> in (Latium) II B.
1219	Jan. 11	Armenia, <i>Muskavank</i> I M. & O.
1219	June 2	China (Kansu), <i>Pingliang</i> and <i>Chenjung</i> in <i>Pingliang Fu</i> III H.
1221	Feb. 3	China (Chekiang), <i>Hangchou Fu</i> I H.
1222	Dec. 25	Italy, <i>Brescia</i> , Milan, <i>Bologna</i> , <i>Modena</i> , <i>Parma</i> and throughout N. Italy III B.
1223		Italy, <i>Siponto</i> near the present <i>Manfredonia</i> and in other parts of (Foggia) III B.
1223	April 21	Italy, <i>Brescia</i> , <i>Cremona</i> II B.
1224	May 27	Japan, Kioto I Mi.
1225	Nov. 19	Japan, Kamakura I O.
1226	May 31	Japan, Kamakura I O.
1226	Sept. 1	Japan, Kamakura I O.
1227	Oct. 21	Japan, Kamakura I O.
1227	Dec. 22	Japan, Kamakura II O.
1227	Early in year	Italy, Maritime Alps III B.
1227	In winter	France, Rhone District (Bouches du Rhone), <i>Aix</i> III M.
1228	July	Italy, <i>Ischia</i> I B.
1229		Italy, <i>Bologna</i> and the <i>Campagna</i> II B.
1230	May 3	Russia, <i>Kief</i> , <i>Pereiaslav</i> , <i>Novgorod</i> and environs of <i>Rostof</i> , <i>Susdal</i> and <i>Valdimir</i> I M. & O.
1231	June 1	Italy, <i>S. Germano</i> , <i>Montecassino</i> in (Latium), felt at <i>Capua</i> and in (Molise) III B.
1234	Oct. 10	Japan, Kioto I Mi.
1235	May 1	Japan, Kioto, Kamakura II Mi.
1235	Oct. 21	Japan, Kioto I O.
1237	June 24	Japan, Kioto I Mi.
1239	Dec. 15	Japan, Kamakura I O.
1240		Iceland, Southland; eruption outside Reykjanes II Th.
1241	Mar. 20	Japan, Kioto and Kamakura II Mi.
1241	May 22	Japan, Kamakura II O.
1243	June 18	Japan, Kamakura I O.
1245	Aug. 19	Japan, Kioto II Mi.
1246	Jan. 16	Japan, Kamakura I O.
1246		Island of <i>Candia</i> , <i>Canea</i> II M.
1246		England (Kent) I M. & W.
1246		Italy (Perugia), <i>Spoletto</i> II B.
1247	Jan. 13	Japan, Kioto, Kamakura I Mi.
1247	Nov. 13	Japan, Kioto I O.
1247	Dec. 31	Japan, Kamakura I O.
1247	Feb. 13	England, <i>London</i> II R.
1248		Italy, Valley of <i>Moriana</i> in (Savoy) III B.
1248	Dec. 21	West of England, <i>Bath</i> and <i>Wells</i> I M. & W.
1249	July 25	Italy, <i>Milan</i> , <i>Verona</i> I B.
1250	Aug. 24	Japan, Kamakura II O.
1253	April 1	Japan, Kamakura I O.
1253	July 14	Japan, Kamakura I O.
1255	Jan. 5	Japan, Kamakura I O.
1255	Beginning of year	Asia Minor, <i>Arzengan</i> or <i>Erzingan</i> in <i>Siwas</i> , district of <i>Divrigi</i> III M.

CATALOGUE OF DESTRUCTIVE EARTHQUAKES

A.D.

1257	Aug. 28	Japan, Kamakura ; (Tsushima) II Mi.
1257	Sept. 17	Japan, Kamakura I O.
1257	Oct. 1	Japan, Kamakura II Mi.
1257	Dec. 22	Japan, Kamakura I O.
1260		Iceland, Northland, Island of Flatey. II Th.
1264	Nov. 2	Japan, Kioto I O.
1265	April 3	Japan, Kamakura I O.
1268	June 15	Japan, Kioto I Mi.
1268 or 1269		Italy, Ancona II B.
1268 or 1269	Nov. 3-4	Italy, Treviso, Feltre and Padua in (Venetia) II B.
1268		Asia Minor, in Cilicia, 60,000 killed III M.
1268		Asia Minor, Erzingan. III M. & O. See above.
1272		Italy (Tuscany) I B.
1273		Italy (Basilicata) III B.
1273	April 5	Japan, Aizu II O.
1275	Sept. 11	England, Glastonbury I R.
1276	July 28 or 29	Italy, Lodi and environs, Milan, Bologna, Genoa II B.
1276		Roumania, Arcastia or Arcesci in the province of (Argeschi), also at Cilath or Slatina ? II M.
1277		Italy, S. Sepolero in (Arezzo) II B.
1277		Italy, Spoleto in (Perugia) II B.
1277	May 27	Austria, Constance I Ra.
1278	April 7	Italy, Friuli in Udine and Venice II B.
1279	April 24	Italy, Friuli, Cividale in Udine and Venice II B.
1279	April 30	Italy, Forli in (Emilia), Spoleto, Romagna and (The Marches) III B.
1281		Italy, Sicily I B.
1282	Jan. 17	Italy, Venice and Milan I B.
1283	At Easter	Caucasia, Mtzkheta II M.
1287	April 11	Italy, Cremona, Milan, Lodi I B.
1287	May	Asia Minor, Erzingan II M. & O.
1289		Italy, Pistoia in (Tuscany) I B.
1290	Sept. 27	China (Chihli), Shangtu, also called Luanking ; and (Fukien), Wuping, in Tingehou Fu, 100,000 lives lost III H.
1291	Sept.	China (Shansi), Pingyang Fu III H.
1292		Italy, Valley of Vivano or Bivona, Sicily and throughout the country II B.
1292		Italy, S. Sepolero in (Arezzo) II B.
1293	May 20	Japan, Kamakura III Mi.
1293	July 11	Italy, Pistoia in (Tuscany) II B.
1294		Italy, Boiano in (Campobasso) II B.
1294		Italy, Siena I B.
1294		Iceland, Southland, Fliotshlid and Rangarvelli, eruption of Hecla III Th.
1295	Aug. 8	Austria, Vienna, Constance, Chur III Ra.
1295	Sept. 3-17	France, Tours, also Austria, Rhetic Alps II M.
1297		Italy, Capua I B.
1298		Italy, Pistoia and Arezzo II B.
1298		Italy, Ancona and Umana II B.
1298	Nov. 30	Italy, Rieti, Spoleto and throughout (Umbria) II B.
1298		Italy, Verona and environs II B.
1300		Italy, Larino, in (Campobasso) I B.
1300	Dec.	Iceland, Southland, earthquake with eruption of Hecla II Th.
End of 13th century		Central Asia. Karakorum III M.
1301		Italy, Cuneo in (Piedmont) II B.
1301		Italy, Palermo and throughout Sicily II B.
1302	Jan. or Feb.	Italy, Ischia II B.
1302	June 1	Japan, Kioto I Mi.
1303	Aug. 8	Alexandria and Acre, Peloponnesus, Candia and all the Adriatic Sea. II M.
1303	Sept. 17	China (Shansi), Pingyang Fu, Taiyuan Fu, 100,000 houses destroyed and many people killed III H.
1304	Oct. 23	Italy, Vicenza, Ferrara, Parma, Piacenza, Venice II B.
1304	Feb.	China (Shansi), Pingyang Fu II H.
1305	April 3	Japan, Kioto I Mi.
1305	May 3	China (Shansi), Tatung Fu, 5,800 houses were destroyed and 1,400 people killed III H.

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1305		Italy, Boiano in (Campobasso) II B.
1307 or 1309		Italy, Boiano in (Campobasso) II B.
1308	Jan. 25	Italy, Rimini II B.
1308		Iceland, Southland. 18 farms fell, six lives lost II Th.
1308		Caucasia, Karabagh II M. & O.
1308	June 28	China (Kansu), Ningyuan ; (Yunan), Chaotung Fu II H.
1310		Italy, <i>Reggio</i> in (Calabria) and throughout Sicily I B.
1311	Jan. 10 & 11	Iceland, Southland, eruption of Katla in Austurjokulls II Th.
1314	Sept. 14	China (Shansi, Honan) III H.
1315	Dec. 3	Italy, <i>Aquila</i> in (Abruzzi) and around II B.
1316	August	China (N. Shansi) I H.
1317	October	China, Lingpei II H.
1317	Feb. 21	Japan, Kioto II Mi.
1318	Nov. 14	England I R.
1319		Asia Minor, Armenia, in the provinces of (Ararat and Sini) <i>Ani</i> III M., M. & O.
1320	Oct. to Dec.	Italy, Siena I B.
1321		Italy, Venice II B.
1322		Italy, Pisa I B.
1323	Feb. 25	Italy, Bologna II B.
1325	Dec. 5	Japan, Kioto and neighbouring provinces II O.
1327	August	China (Kansu), <i>Tungwei</i> in Kungchang Fu ; (Shensi), Fenghsiang Fu and Hsingyuan, Hanchung Fu ; (Sszechuan), Chentu ; (Hupeh), Shenchou and Chiang-ling in Chingchou II H.
1328	Dec. 1	Italy, Norcia, <i>Le Preci</i> , Montesanto and other places in (Umbria) III B.
1331	May	China (Chihli), Chenting Fu ; (Honan), Huaiching Fu II H.
1331	July 28	Japan, Kii II Mi.
1331	Aug. 19	Japan (Suruga) II Mi.
1334	Sept. 14	China, Imperial City Pekin. A cock crowed before the earthquake commenced III H.
1334	Sept. 25	Japan, Kioto I Mi.
1334	Dec. 4-5	Italy, Verona II B.
1335	Jan. 8	Japan, Kioto I Mi.
1336	Jan. 12	China (Anhui), Anching, Susung, Taihu, Hsunshan, also at Luchou ; (Hupeh), Chichou, Huangchou Fu III H.
1337	Sep. 9	China (Chihli), Imperial City Pekin, Shunchou, near Shunyi, Lungching, Huailai, Hsuante, now Hsuan-hua III H.
1338	July	China (Chihli), Hsinchou, Shuntien Fu ; Mount Ling was displaced II H.
1338	Aug. 2	China (Chihli), Hsuanhua Fu II H.
1338	Aug. 5	Japan, Kioto I Mi.
1338	August	China (Kansu), a mountain was displaced at Kungchang II H.
1339	May 22	Iceland, Arnessysla, Rangarvallasysla, Skeid, Floi, Holt ; a great many farms fell III Th.
1339	Oct. 15	Japan, Kioto I O.
1340	Mar. 3	Japan, Kioto I O.
1341	April 2	Japan, Kamakura I O.
1342	May 30	China (Shansi), Pingchin in Chining, now Taiyuan III H.
1343	Nov. 24	Malta III O.D.
1344	Middle of autumn	Southern part of Iceland and the province of (Gulddalen) in Norway, on the R. Gule III M.
1345	Jan. 28	Germany III Ro.
1345	Sept. 12 or Dec. 22 ?	Italy, S. Sepolcro, Arezzo and Florence II B.
1346	Feb. 22	Italy and throughout the world, especially in Alexandria II B.
1346	March	China, all (Shantung) II H.
1346	April	China (Shantung), Kaoyuan in Chingchou Fu II H.
1346	Aug. 29	Japan, Kioto I O.
1346	Nov. 24 & 25	Switzerland, especially at Bâle II M.
1346		Turkey, Constantinople II M.
1347	Mar. 10	Japan, Kioto I O.

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1347	Mar. to June	China (Shantung), Lintzu, Chingchou Fu ; (Shansi), Hotung now called Puchou and Pingyang III H.
1347	Aug. 12	Japan, Kioto I O.
1348	Jan. 25	Italy (Venetia) ; Austria (Styria, Carinthia), Villach, Gorz III B., M. & O., Ra.
1348		Italy, France, Roccabigliera, Lantosca and Bollena in (Nice) II B.
1349	Sept. 9 or 10	Italy, Aquila (Molise), and elsewhere in (Abruzzi) and in Sannium III B.
1349	Sept. 10	Japan, Kioto I O.
1350	June 28	Japan, Kioto I Mi.
1350	Aug. 5	Japan, Kioto I Mi.
1351	Mar. 15	Japan, Kioto I Mi.
1351	May	China (Shansi), Fen, Hsin, Wenshui, Pingchin, Yutzu and Shouyang in Taiyuan Fu, Yushe of Liao in Chinning now Pingyang Fu ; also (Honan), Honci, Hsiuwu, Mengchou in Huaiching Fu III H.
1352	April 18	China (Shensi), this comprised part of (Kansu), the north-west part of (Ssuchuan), and the present (Shensi). Most damage done at Chuanglang, Tinghsing in Liangchou Fu, Chingning in Pingliang Fu, and Huichou, now Huan in Chingyang (Kansu) III H.
1352	Dec. 25	Italy, <i>La Rocca d'Elci</i> , Arezzo, S. Sepolcro, Citta di Castello in (Umbria) III B.
1354	Beginning of spring	Turkey, all the coast of Thrace II M.
1354	Dec.	China (Anhui), Niagkou Fu ; (Kiangsu), Huaian Fu II H.
1355	Sept.	Switzerland and Germany, Bale and Strasburg II M.
1356	Aug. 24	Portugal, Lisbon II M.
1356	Oct. 18	Germany, all the upper Rhine, especially at Strasburg and Bale, district of Constance, Lausanne, Berne and the borders of Bavaria II M.
1358	Oct. 7	Japan, Kioto II Mi.
1358		Italy, S. Sepolcro in (Umbria) II B.
1361	July 17	Italy, Ascoli, Canosa and S. Agata in (Apulia) III B.
1361	July 22	Japan, Kioto II Mi.
1361	Aug. 1	Japan (Kii, Settsu, Yamato) and Kioto II O.
1361	Aug. 3	Japan, Kinai ; (Awa) II O.
1361	Dec. 19	Japan, Kioto I O.
1361	Dec. 27	Italy, Siena II B.
1362	June 9	Japan, Kioto I Mi.
1363	Mar. 27	Japan, Kioto I Mi.
1363		Armenia, Mush I M. & O.
1365	April 7	Italy, Bologna II B.
1366	August	China (Shansi), Hsin, Lin, Shih in Hsukao of Taiyuan and Hsiaoyi, Pingyao in Fenchou III H.
1366	Dec. 25	China (Honan), Kung in Honan Fu I H.
1367	Feb. 16	Japan, Kioto I O.
1367	Mar. 25	Japan, Kioto I O.
1367	Sept. 21	Italy, Verona II B.
1367	Sept. 23	Japan, Kioto I O.
1368	June 16	China (Shansi, Shensi, Kansu) III H.
1369	Feb. 1-2	Italy, Alessandria I B.
1369	Aug. 29	Japan, Kioto I Mi.
1369	Nov. 26	Italy, Monza in (Milan) I B.
1370		Iceland, Southland, Olfus ; twelve farms fell, six lives lost II Th.
1371	April 13	Japan, Kioto I O.
1371	Oct. 14	Japan, Kioto I O.
1372	May 24	China (Kuangsi), Wuchou Fu, Pingli Fu II H.
1372	Aug. 16	China (Kiangsu), The Imperial City Nankin II H.
1372	Sept. 6	China (N. Shansi), Taiyuan Fu II H.
1372		Spain, district of Ribagorca in (Aragon) I M.
1373	May 2	Japan, Kioto I O.
1373	Dec. 14	Japan, Kioto I O.
1374	Dec. 8	Armenia, Erzingan II M. & O.
1375	May 23	Japan, Aizu II O.
1376	March	Italy, Vicenza I B.
1376	May 14	Japan, Kioto I Mi.

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1378	April 30	China, Ninghsia in north (Kansu)	I H.
1378	Nov. 27	Japan, Kioto I O.	
1379	Nov. 26	Japan, Kioto I O.	
1380		England, Canterbury I M. & W.	
1382	Jan. 3	China (Kansu), Lanchou Fu; (Kuangtung), Kuangchou Fu; (Fukien), Fuchou Fu	II H.
1382	May 21	England generally I M. & W.	
1383	June 3	Japan, Kioto I O.	
1383	August	Asia Minor, at Mytilene, 500 persons perished	III M.
1388	Feb. 5	Japan, Aizu II O.	
1389	Spring	Italy, Fano, in the (Marches)	I B.
1389	Aug. 20	Italy, Moggio in Udine and Belluno	I B.
1389	October	Italy, S. Sepolcro, Citta di Castello in (Umbria)	II B.
1389	Oct. 3	Japan, Kioto I O.	
1389-90		Iceland, Southland, with eruptions of Hecla, Trolladyugjar and Sidu Jokull	II Th.
1391	Nov. 11	Japan, Kioto I Mi.	
1391		Iceland, South Country, Grimsnes, Olfus, Floi; fourteen farms fell	III Th.
1393	Summer	Italy, Galeata in (Tuscany); Bologna	I B.
1395	Mar. 24	Japan, Kioto I O.	
1395	Dec. 18	Spain, Province of (Valencia) and at Tortosa	II M.
1396		Italy, Nardo and (Lecce)	I B.
1397	Dec. 26	Italy, Bergamo and throughout (Lombardy)	II B.
1398	April 3	Italy (Abruzzi), Aquila	I B.
1399	July 20	Italy, Modena, Bologna, Ferrara	II B.
1400		Japan, Kioto and (Iga, Ise)	II O.
1402	Feb.	Japan, Kioto II Mi.	
1402		Syria; many towns ruined	III M.
1402	Dec. 5	Italy (Emilia), Forli	II B.
1403	Jan.	Italy, Verona, Belluno and throughout (Lombardy)	II B.
1403	Sept. 6	Italy, Friuli in (Udine)	II B.
1404	Jan. 2	China, Pekin; (Shansi), Taiyuan Fu; (Kansu), Ninghsia Fu	I H.
1404	Dec. 17	China, Nankin, The Imperial City; (Shantung), Chinan Fu; (Honan), Kaifeng Fu	II H.
1405	Dec. 20	Japan, Kioto I O.	
1407	Feb. 12	Japan, Kioto, Aizu	III Mi.
1408	Jan. 21	Japan (Settsu), with sea waves	II O.
1408		Italy, Florence	I B.
1408	Nov. 26	Japan, Kioto I O.	
1409	Nov. 15	Italy, Parma	I B.
1410		Italy, Catania	I B.
1410	Mar. 11	Japan, Kioto I Mi.	
1410	June 10	Italy, Verona	II B.
1411	June 6	Japan, Kioto I O.	
1411	Dec. 24	Japan, Kioto I O.	
1412	April 19	Japan, Kioto I O.	
1413	Aug. 8	Italy, Siena	I B. & M.
1413	Dec. 17	Japan, Kioto I O.	
1414		Italy, Vieste in (Foggia)	II B.
1414	Aug. 3	Italy, S. Sepolcro, Florence, Arezzo, other places in (Tuscany) and in Bologna	II M. & B.
1418	April 7	Austria-Hungary, throughout Dalmatia	I M.
1419	Oct. 28	Japan, Kioto II Mi.	
1420	Aug. 15	Japan, Kioto I O.	
1420	Sept. 26	Japan, (Sagami, Musashi, Awa, Kazusa, Shimosa, Hitachi, Kotsuke, Shimotsuke)	III O.
1420		Spain, Province of (Catalonia), Amer	II M.
1425	Mar. 8	China, Nankin; (Anhui), Luchou Fu	II H.
1425		Italy, Rome	I B.
1425	Aug. 10	Italy, Ferrara and Venice	I B.
1425	Aug. 10-24	Japan, Kioto II O.	
1425	Dec. 14	Japan, Kioto I Mi.	
1426	Aug. 15	China, Pekin and Nankin	II H.
1426	Oct. 31	Japan, Kioto I O.	
1427	May 15	Spain, especially at Olot in (Catalonia), also at Montpellier in France	II M.
1428	Feb. 2	Ditto	II M.

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1428	July 3	Italy, Forli and Cesena in (Emilia) and in (Romagna) II B.
1428	Oct. 4	Japan, Kioto I O.
1428	Dec. 13	Switzerland, Bâle and the country round I M.
1429		Italy, Venice II B.
1431	April 24	Spain (Catalonia, Aragon and Roussillon), also Ciudad Real in (New Castile) I M.
1433	Feb. 23	Japan (Isce, Omi) II O.
1433	May 4	Italy, <i>Bologna</i> , Modena and Forli I B.
1433	Oct. 29	Japan (Shimosa, Sagami), Kamakura; Kioto and Aizu II Mi. Omori gives Nov. 7.
1436	March	Italy, Siena I B.
1436	Aug. 30	Japan, Aizu II O.
1436	End of March	Italy, Siena I M. & B.
1438	June 10	Italy, Parma, Piacenza and environs II B.
1439	Jan. 22	Japan, Kioto II O.
1440	Oct. 3	Japan, Aizu, Kioto I Mi.
1440	Oct. 26	China (Kansu), Chuanglang in Liangchou Fu III II.
1442	March 1	Japan, Kioto I Mi.
1442	Dec. 1	Japan (Kotsuke) I O.
1442		Italy, Sicily II B.
1443	June 5	Austria and Bohemia, <i>Glatz</i> in Silesia, Poland and especially Hungary III M. & Ra.
1444	May 14	Japan, Kioto I Mi.
1445	Jan. 9	Japan, Kioto III O.
1447	Aug. 14	Japan, Kioto I O.
1448	April 26	Italy, Citta di Castello in (Umbria) II B.
1448		Italy, Naples III B.
1448		All Japan. Three large earthquakes III Mi.
1449	May 7	Japan (Yamashiro), Kioto; (Yamato) III Mi.
1450		Italy, Sicily II B.
1452	Jan. 10	Japan, Kamakura I O.
1452	Sept. 5	Japan, Kioto I O.
1452	Sept.	Italy, Alessandria in (Milan) I B.
1453	Sept. 15	Japan, Kioto I Mi.
1453	Sept. 28	Italy, Florence and environs III B.
1454	Dec. 21	Japan, Kotsuke I Mi.
1455	Jan. 7	Japan, Kamakura I O.
1455	Feb. 3	Italy, Spilimbergo and elsewhere in (Udine) I B.
1455	Dec. 20	Italy, <i>Bologna</i> and Modena I B.
1456	Feb. 6	Japan, Kioto I Mi.
1456	Aug. 22	Italy, Siena II B.
1456	Dec. 5	Italy, all the south, especially <i>Brindisi</i> , <i>Ariano</i> , <i>Avellino</i> and Naples III B.
1457	April 26	Italy, Citta di Castello in (Umbria) II B.
1458	Feb. 25	Japan, Kioto I O.
1458	April 7	Japan, Kioto I O.
1458		Armenia, Erzingan III M. & O.
1460	Mar. 12	Japan, Kioto I O.
1460	June 23	Japan, Kioto I O.
1460	Nov. 19	Japan, Kioto I Mi.
1460		Mexico, Valley of Mexico III O.B.
1461	June & August	Italy, Buccino in (Salerno) II B.
1461	Nov. 20	Italy, Aquila II M.
1461	Nov. 27	Italy, <i>Aquila</i> , <i>Teramo</i> in (Abruzzi) and in Perugia III B.
1463	Sept.	Italy, Florence I B.
1464	May 22	Japan, Kioto I O.
1465	April	Italy, Reggio in (Emilia) I B.
1465	May 3	China (Chihli), Tiensin; also (Ssuehuan), Chengtu Fu II H.
1466	Jan. 14	Italy (Salerno and Basilicata) II B.
1466	May 29	Japan (Yamashiro, Yamato) II O.
1466	Summer	France, Soissons and the neighbourhood II M.
1467	Feb. 3	Japan, Kioto I Mi.
1467	April 10	Japan, Kioto, Nara I O.
1467	June 27	China (Chihli), Hsuanhua Fu; (Shansi), Tatung Fu, <i>Sochou</i> in Soping Fu and <i>Weiyuen</i> III H.
1467	July	Italy, Argenta in Ferrara II B.
1467	Sept. 3	Italy, Siena I B.
1468	Mar. 9	Japan, Kioto I O.

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1468	July 6	Italy, Rimini II B.
1469		Mexico, Xochitepec on coast (Vera Cruz) III O. B.
1469	Spring	Greece, Zante, Cephalonia III P.
1470	Jan. 9	China (Honan), Juning Fu; (Hupeh), Yochou Fu, Wuchang Fu, Hanyang Fu II H.
1470	April 15	Italy, Casio Castello in (Bologna) I B.
1471	Feb. 5	Japan, Kioto, Nara I O.
1472	May 14	Italy, Friuli in (Udine) I B.
1473	May 7	Italy, Milan, Pavia and Piacenza III B..
1474	Mar. 11	Italy, Modena I B.
1474	Oct. 24	China (Yunnan), Hoching in Lichiang Fu III H. M. & O. give Oct. 27.
1474	August	Italy, Ancona I B.
1474	Nov. 24	China (Kansu), Tashaching in Lingchou, Chingyang Fu II H.
1474		Mexico, Valley of Mexico III O. B.
1474	Winter	Japan, Kioto I O.
1475	May 29	Japan, Aizu II O.
1477	Feb. 18 or	China (Kansu), Lintao and Kungchang II H.
1477	Mar. 19	China (Kansu), Kanchou, Ninghsia, Liangchou; (Shensi), Yulin and (Shantung), Yichou III H.
1477	May 13	
1477	Dec. 20	Japan, Kioto I O.
1478	August	China (Ssuehuan), Chengtu III H.
1479	Sept. 27	Japan, Aizu II O.
1479	Oct. 10	Italy (Emilia), Forli I B.
1480		Italy, Monteprandone and elsewhere in (Ascoli Piceno) I B.
1480		England, Norwich I M. & W.
1481	Mar. 10	China (Kiangsu), Nankin, Huaian Fu, Yangchou Fu; (Anhui), Fengyang Fu, Luchou Fu, Hochou, Yingchou Fu; (Shantung), Yenchou Fu; (Honan), Honan Fu III H., M. & O.
1481	April 26	Japan, Nara I O.
1481	May	Italy (Tuscany), Fivizzano II B.
1482		Asia Minor, Armenia, Erzincan III M. & O.
1483	Feb. 16	Japan, Nara I O.
1483	Aug. 11	Italy (Emilia), Forli, Cesena II B.
1484	Jan. 19-20	Italy, Lamentana, Castelnuovo and other places in (Latium) I B.
1484	Jan. 29	China (Chihli), Imperial City Pekin, Yungping, Hsuanhua and Liao tung III H.
1485	April 17	China (Kansu), Kuyuan in Pinglian Fu, Lanho, Tao and Min in Kungchang Fu II H.
1485	April 27	China (Chihli), Chichou, Shuntien Fu, Tsunhua II H.
1485	Oct. 16	China (Kuangtung), Lienchou; (Kuangsi), Wuchou I H.
1486	June 6	Japan, Nara, Kioto I O.
1486	July 20	China (Shensi), Ningchiang in Hanchung Fu, Paochi in Fenhsiang Fu II H.
1486	Oct. 6	China (Ssuehuan), Chengtu Fu I H.
1487	Jan. 11	Italy, Verona II B.
1487	Dec.	Italy, Padua I B.
1488	July 31	Italy, Pozzuoli in (Naples) II B.
1488	Sept. 16	China (Ssuehuan), Han, Mou, Chengtu Fu III H.
1488	Sept. 22	China (Chihli), Hsuanhua Fu II H.
1489	May 29	Japan, Aizu II O.
1489	August 27-30	Japan, Kioto I O.
1489	Sept. 11	Japan, Kioto I O.
1489		Italy, S. Sepolcro in (Arezzo) II B.
1490		Italy, Alcara in (Messina) I B.
1491	End of Oct.	Greece, in the Archipelago, especially in the island of Cos. 5,000 people perished III M.
1492		Italy, Verona II B.
1492	June 29	Japan, Kioto I O.
1492	July 19	Japan, Aizu III O.
1493	Aug. 18	Japan, Kioto, Aizu I Mi.
1493	Nov. 17	Japan, Kioto, Nara I Mi.

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1493	Dec. 20	Japan, Kioto, Nara I O.
1494	Feb. 21	Japan, Aizu I O.
1494	Mar. 25	China (Yunnan), Chuching Fu; also at Pekin and Nan- kin III H.
1494	May 28	Italy, Messina II B.
1494	June 10	Japan, Nara, Kioto II Mi.
1494	June 13	Italy, Lantosca, Roccabigliera, Bollena and throughout Nice II B.
1495	April 10	China (Kansu), Ninghsia II H.
1495	Sept. 12	Japan, Kamakura I Mi.
1495	Dec. 13	Italy, Ferrara and Venice I B.
1496		Mexico, Valley of Mexico III O. B.
1496		China, Pekin and Nankin I H.
1497	Nov. 21	Japan, Kioto I O.
1497		China (Chihli), Chenting Fu now forming Chengting in Chinho; (Shensi), Taiyuan Fu, Tunkiu in Luan Fu; (Shensi), Yulin Fu; (Kansu), Chenfan in Liangchou Fu, Lingchou, Ninghsia Fu II H.
1498	July 9	All Japan; sea waves III Mi.
1498	Sept. 20	Japan, whole of Hondo, sea waves at (Ise, Kii, Mikawa, Totomi, Suruga, Izu, Sagami) III Mi.
1498	Dec. 9	Japan, Kioto, Nara I O.
1499	Nov. 19	Italy, Messina II B.
1500	January	Italy, Naples and Messina II B.
1500	July 10	Japan (Totomi); sea waves III O.
1500	Nov. 18	China, Pekin, Nankin; (Anhui), Fengyang I H.
1501	Jan. 19	China (Shensi), Yenan Fu, Hua, Hsingyang Fu, Chaoyi, Hsienyang in Hsian Fu, Tungkuuan in Tungchou Fu; (Shensi), Puchou Fu; (Kansu), Chingyang III H.
1501	Feb. 15	China (Fukien), Fuchou Fu, Hsinghua Fu, Chuanchou Fu, Changchou Fu II H.
1501	Mar. 5 to April 2	China (Shansi), Puchou Fu, about 29 shocks I H., Ho., M. & O.
1501	June 5	Italy, Modena and environs, Parma, Bologna, Ferrara II B.
1502		Italy, Cittaducale in (Aquila) II B.
1502	Jan. 23	Italy, Urbino I B.
1502	May or Sept. 23	Italy, Cuneo in (Piedmont) II B.
1502	Jan. 28	Japan (Echigo) III O.
1502	Oct. 17	China (Kiangsu), Nankin, Hsuchou Fu; (Chihli), Taming Fu, Shunte Fu; (Shantung), Chinan Fu, Tunchang Fu, Yenchou Fu and Puchou in Tsaochou Fu III H.
1502	Nov. 24	China (Shansi), So, Tai, Ying, Shanyin, Yangchu. Mayi in Tatung Fu II H.
1504	April 5	Spain, in (Andalusia), especially at Carmona, Seville and Triana on the Guadalquivir II M.
1504	End of autumn	Portugal I M.
1504	June	Afghanistan, the high land of Kabul I M.
1504		Italy, Venice II B.
1504-5	Dec.-Jan.	Italy, Bologna, Brescia, Ferrara II B.
1505	July 6	Afghanistan, Kabul and Persia III Ol.
1505	July 11	China (Kansu), Ninghsia I H.
1505	Oct. 9-10	China (Chekiang), Hangchou Fu, Chiahsing Fu, Shaohsing Fu, Ningpo Fu; (Kiangsu), Nankin, Suchou Fu, Sungchiang Fu, Changchou Fu, Chenchiang Fu; (Anhui), Ningkuo Fu, Taiping Fu I H.
1505	Oct. 16	China (Shansi), Puchou, Anyi in Chieh, Chiang; (Chihli), Wanchuan in Hsuanhua Fu III H.
1506	Mar. 17 to 19	China (Shensi), Tungchou Fu I H.
1506	April 26	China (Yunnan), Yunnan Fu II H.
1506	Aug. 26	China (Shantung), Aoshanwei, Laichou Fu II H.
1507	Mar. 31	Japan (Higo) III O.
1507	Nov. 4	China (Yunnan), Anchou, Hsinhsingchou in Yunnan Fu III H.
1509	Feb. 25	Italy, Reggio in (Calabria) and in Sicily, especially at Messina III B.
1509	April 19	Italy, Solarolo, Faenza in (Emilia) II B.
1509	May 26	China (Hupeh), Wuchang Fu I H.

A.D. 1509	Sept. 14	Turkey, Constantinople and all the Turkish dominions in Europe and Asia Minor, <i>Tschorum</i> , <i>Gallipoli</i> , and <i>Demitoka</i> . The sea came over the walls at Constantinople and Galata III M.
1510	February	Italy, Alessandria in (Milan) II B.
1510	June 10	Bavaria, Nordlingen; 2,000 perished III M.
1510	July 26	Iceland, Skalholt, 20 miles W. of Hecla, eruption of Hecla I Th.
1510	Sept. 11	Japan, Kioto (Yamashiro), Mikawa, Yamato, Kawachi, Izumi, Settsu) III Mi.
1510	Oct. 1	Japan (Totomi), with sea waves II Mi.
1511	Mar. 26	Italy, Cividale in (Friuli), Udine and many towns in (Venetia) and Triest III B.
1511	Aug. 8	Italy, Cividale II B.
1511	Sept. 9	Japan (Settsu, IHitachi) III Mi.
1511	Nov. 17	China (Yunnan), Tengchuan in Tali Fu, <i>Chienchuan</i> and <i>Hoching</i> in Lichiang Fu III H.
1511	Dec. 2	China (Chihli), Pekin, Paoting Fu, Hochien Fu; (Shantung), Wuting Fu II H.
1512	Feb. 23	Japan, Kioto I Mi.
1512	June 21	Japan (Yamashiro) II Mi.
1512	June 22	China (Yunnan). Chuhsing Fu I H.
1512	Oct. 7	China (Yunnan), Tengchung now Tengyuen in Yungchang Fu III H.
1512		Mexico, Valley of Mexico I O.B.
1513		Mexico, Valley of Mexico II O.B.
1514	Jan. 13	Japan, Kioto I O.
1514	April 16	Greece, Zante III P.
1514	May 2	Japan, Kioto I Mi.
1514	Oct. 20	China (Sszechuan), Hsuehau Fu; (Shansi), Yutzu, Tai, Ping in Taiyuan Fu, Tatung Fu and ten more towns II H.
1515	June 17	China (Yunnan), Yunnan Fu, Chaochou in Tali Fu and Yungning now Nanning in Chuching Fu III H.
1516	Aug. 20	Japan (Kai) II O.
1516	Oct. 20	China, Nankin; (Hupeh), Wuchang Fu I H.
1517	Jan. 5	China (Yunnan), Chuhsing in Tali Fu, Menghua I H.
1517	May 9	China (Kiangsi), Fuchou Fu; (Shantung), Chinning Fu; (Chehkiang), Hangchou Fu I H.
1517	June 18	Japan, Kioto I O.
1517	July 18	Japan, Aizu II O.
1517	July 12	China (Yunnan), Hosi, Hsio, Tunghai in Linan Fu and Hsinhsing in Chengchiang Fu III H.
1518	July 8	China (Yunnan), Tali Fu, Menghua I H.
1519	April 27	Japan, Kioto I O.
1520	Mar. 26	China (Yunnan), Anning in Yunnan Fu, Hoching in Lichiang Fu, Yao in Chuhsing Fu, Pinchuan in Tali Fu and Menghua III H.
1520	Sept. 17	China (Yunnan), Chingtung II H.
1520	Sept. 21	China (Shantung), Chinan Fu, Tungchang Fu; (Honan), Kaifeng Fu I H.
1520	Dec. 1	Japan, Kioto I O.
1520		Chile, provinces in south Chile I Mon.
1521	Oct. 21	Japan, Nara I O.
1521	Nov. 28	Japan, Kioto, Nara I O.
1523	January	China, Nankin; (Shantung, Honan and Shensi), Hsian Fu II H.
1523	Aug. 14	China (Chehkiang), Tinghai and many neighbouring districts II H.
1524	Feb. 5	China, Pekin, Nankin; (Honan, Shansi, Shensi) II H.
1524	Feb. 20	China (Kiangsu), Nankin, Suchou Fu, Changchou Fu I H.
1525	Sept. 3	China (Anhui), Fengyang Fu; (Kaingsu), Hsuehau Fu; (Honan), Huaiching Fu, Kaifeng Fu II H.
1525	Sept. 20	Japan, Kamakura, Aizu II O.
1526	May 22	China (Yunnan), Tengchung in Yungchang Fu; (Kueichou), <i>Annanwei</i> II H.
1527	Mar. 25	Japan, Kioto I O.
1527	October	Italy, Pistoia in (Tuscany) II B.
1529	April	Italy (Udine) I B.

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1529	July 3	Italy, Cremona I B.
1530	Sept. 1	Venezuela, coast of Paria and Cumana, Cubacula; the sea rose four fathoms and sank again II M.
1530	Nov. 11	Italy, Siena I B.
1531	Jan. 26	Spain and Portugal, Lisbon, 1,500 houses destroyed; the remainder of Portugal, Spain, the opposite coast of Africa, the Canton du Vaud in Switzerland, and Flanders; the sea was greatly agitated III M.
1531	Beginning of year	Switzerland, Bâle I M.
1536	Mar. 23	Italy, <i>Catania</i> , all Sicily II B.
1536	Aug. 10-11	Italy, Genoa II B.
1536	Oct. 22	China, Pekin and neighbouring districts I H.
1537	May	Italy, <i>Catania</i> , Corleone in (Palermo), Messina, Trapani II B.
1537	Sept. 26	Italy, Pozzuoli in (Naples) I B.
1537		Mexico, Valley of Mexico III O.B.
1537		Italy, Tuscany (1538?) I B.
1538		Ecuador, Antisana III R.S.
1538	Sept. 26-27	Italy, Pozzuoli and neighbourhood II B.
1540	April 8	Italy (Marches), Fermo I B.
1541	Oct. 22-23	Italy, Alessandria in (Milan) II B.
1542	Mar. 17	Mexico, Oaxaca II O.B.
1542	June 9 or 12 or 13	Turkey, Constantinople I M.
1542	June 13	Italy, <i>Mugello</i> , Florence, Pistoia and other towns in (Tuscany) III B.
1542	November	China (Shansi, Shensi and N. Kansu) I H.
1542	Dec. 10	Italy, Syracuse, Catania, felt in Palermo, Trapani, Sciacca III B.
1543		Chile, Tarapaca I Mon.
1544	January	Italy (Calabria) II B.
1544	May 23	Japan (Satsuma) II O.
1545		Japan (Satsuma) II Mi.
1545	June 9	Italy, <i>Borgotaro</i> and several places in (Parma and Piacenza) II B.
1546		In Palestine, Joppa, Sichem or Nablous, Rama; the sea retired several miles I M.
1546	June 2	Iceland, Southland, Olfus; many farms and some houses fell II Th.
1547	Feb. 10	Italy, <i>Reggio</i> in (Emilia), Modena I B.
1548		Italy, Catania in Sicily I B.
1549		Persia, Khorasan, Qayin; 3,000 killed III Ol.
1549		Italy (Calabria); Messina I B.
1549	Mar. 9	Japan, Kioto I O.
1549	May 3	Italy, Savona in (Milan) I B.
1549	May 21	Japan (Kai) II O.
1550	Feb. 28	Italy, Cuneo in (Piedmont) I B.
1550		Italy, Ariano, Vallo di Diano II B.
1551	Jan. 28	Portugal, Lisbon; 200 houses thrown down II M.
1552	Feb. 2	Iceland, Southland I Th.
1553	Aug. 17	Saxony, basin of the Elbe, principally at Meissen I M.
1553	Oct. 11	Japan, Kamakura II O.
1554	May 3	Iceland, strong shocks; no houses are said to have fallen; eruption of Hecla I Th.
1554	July 7	Greece, Zante III P.
1554	Nov. 28	Italy, Florence I B.
1555	Sept. 14	Japan, Aizu II O.
1556	Jan. 24	China (Shensi), <i>Weinan</i> , <i>Chaoyi</i> , <i>Sanyuan</i> in Hsian Fu, <i>Huachou</i> in Tungchou Fu; (Shansi), <i>Puchou Fu</i> ; and (Honan). About 830,000 people were killed III H.
1556	Jan. 24	Bavaria, Austria in the "Windischmark," Hungary, Croatia, Dalmatia and Moravia III M.
1556	Mar. 22	Japan, Kioto I Mi.
1556	April 20	Italy, Bolena in (Nice) II B.
1556	May 10	Turkey, Constantinople I M.
1556	Nov. 17?	Italy, Rossano in (Cosenza) II B.
1557	July 5	Italy, Campagnano in (Ischia) I B.
1557		Japan, Kioto I Mi.

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1558	April 13	Italy, <i>Siena</i> , Florence and throughout (Tuscany) I B.
1558	April	Mexico, throughout the country III O.B.
1558	Nov. 24	China (Shensi), <i>Huachou</i> in <i>Tungchou</i> Fu II H.
1560	May 11	Italy, <i>Barletta</i> , <i>Bisceglie</i> in (Apulia) II B.
1561	Feb. 21	China (Kansu), <i>Shantan</i> in <i>Kanehou</i> Fu II H.
1561	Mar. 2	Argentina, <i>Mendoza</i> I Mon.
1561	July-Aug.	Italy, <i>Buccino</i> in (Salerno) and throughout the (Terra de Lavoro, Principato-Citra and the Basilicata) III B.
1561	Aug. 5	China (Shansi), <i>Taiyuan</i> Fu, <i>Tatung</i> Fu ; (Shensi), <i>Yulin</i> Fu ; (Kansu), <i>Ninghsia</i> Fu and <i>Kuyuan</i> in <i>Pingling</i> Fu III H.
1561	Nov. 24	Italy, <i>Ferrara</i> II B.
1561	Feb. 14	Italy, <i>Ravenna</i> I B.
1562	Oct. 28	China (Kansu), <i>Ninghsia</i> Fu ; <i>Pekin</i> II H.
1562	Feb. 28	Chile, <i>Santiago</i> , <i>Arauco</i> , sea waves III Mon. & P.
1563	Dec. 27	Japan (Hitachi, <i>Iwaki</i> , <i>Shimotsuke</i>) ; <i>Aizu</i> III O.
1563		Japan (Hitachi, <i>Musashi</i> , <i>Iwaki</i> , <i>Shimotsuke</i>) ; and <i>Aizu</i> III O.
1564		West Indies, <i>Hayti</i> , <i>Conception de la Vega</i> III O.D.
1564	April 27	Japan, <i>Kioto</i> I O.
1564	July	France, at <i>Nice</i> and in <i>Provence</i> II M.
1564	July 20-Aug. 5	Italy, <i>Bollena</i> , <i>Rochia</i> , <i>Roccabigliera</i> and other places in the valley of <i>Vesubia</i> and neighbourhood in (Nice) III B.
1565		France, neighbourhood of <i>Nice</i> I M.
1566	Jan. 22	China (Fukien), <i>Fuchou</i> Fu, <i>Hsinghua</i> Fu, <i>Chuachou</i> Fu I H.
1566	Nov. 30	Italy, <i>Randazzo</i> , <i>Messina</i> I B.
1567	Aug. 27	Italy, <i>Norceia</i> in (Perugia) I B.
1567	Dec. 30	Mexico (Mexico) and <i>Chapala</i> in (Jalisco) II O.B.
1568	April 1	China (Kansu), <i>Chingyang</i> Fu, <i>Huan</i> , <i>Ninghsia</i> Fu ; (Shensi), <i>Changhan</i> ; (Shansi), <i>Anyi</i> and <i>Puchou</i> Fu ; (Hupeh) <i>Yunyang</i> ; (Honan) III H.
1568	April 25	China (Chihi), <i>Pekin</i> , <i>Leting</i> , <i>Yungping</i> Fu ; (Shantung), <i>Tengchou</i> ; also at (Ssuan), <i>Shunching</i> ; Castle of <i>Ningyuen</i> was destroyed III H.
1568	April 30	China (Honan), <i>Huaiching</i> Fu, <i>Nayang</i> Fu, <i>Juning</i> Fu ; (Kansu), <i>Ninghsia</i> II H.
1568	May 2	China (Shensi), <i>Fenghsiang</i> Fu, <i>Hsian</i> Fu ; (Kansu), <i>Pingling</i> Fu, <i>Chingyang</i> Fu II H.
1568	Dec. 27	Mexico, <i>Cocula</i> and <i>Tzacoalco</i> in (Jalisco) II O.B.
1570	Feb. 8	Chile, <i>Concepcion</i> , with sea waves III Mon.
1570	June 17	Italy, <i>Pozzuoli</i> in (Naples) I B.
1570	Nov. 17	Italy, <i>Ferrara</i> , <i>Treviso</i> , <i>Padua</i> , <i>Bologna</i> and <i>Venice</i> II B.
1572	Jan. 28	Tyrol and Germany, <i>Innsbruck</i> , <i>Munich</i> and <i>Augsburg</i> I M.
1572	Mar. 14	Japan, <i>Nara</i> I O.
1572	June 4	Italy, <i>Parma</i> I B.
1572	July 13	Italy, <i>Cartoceto</i> in (Pesaro) II B.
1572	July 20	Japan, <i>Nara</i> , <i>Kioto</i> I O.
1572	Dec. 21	Switzerland, the whole of the canton of <i>Glarus</i> I M.
1573	Nov. 14	Mexico, <i>Colima</i> , <i>Guadalajara</i> ; (Michoacan) ; <i>Oaxaca</i> II O.B.
1574		Baden or Transylvania ? <i>Offenburg</i> I M.
1574		England, <i>Tewkesbury</i> I M. & W.
1574	Mar. 11	China (Fukien), <i>Changting</i> in <i>Tingchou</i> Fu II H.
1575	February	China (Hunan, <i>Hupeh</i> , <i>Kiangsi</i>) I H.
1575	Mar. 17	Chile, <i>Santiago</i> , <i>Valdivia</i> III Mon. & P.
1575	June 5	Italy, <i>Naples</i> ? I B.
1575	June 9	China (Hupeh), <i>Hsiangyang</i> Fu, <i>Yunyang</i> Fu ; (Honan), <i>Nanyang</i> I H.
1575	July 28	China (Fukien), <i>Fuchou</i> Fu, <i>Tingchou</i> Fu, <i>Changchou</i> Fu ; (Kuangtung), <i>Chaochou</i> Fu I H.
1575	Nov. 17	China (Kansu), <i>Kungchang</i> Fu II H.
1575	Dec. 16	Chile, <i>Santiago</i> , as far as <i>Castro</i> III Mon.
1575		Mexico, <i>Zacateotlan</i> and <i>Acatzinco</i> (Puebla) I O.B.
1577	Mar. 12 & 13	China (Yunnan), <i>Yungchang</i> Fu III H.
1578		Italy, <i>Sciaccia</i> in (Girgenti) II B.

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1578	June 17	Peru, Lima II H.J.
1578	Nov. 1	Iceland, Southland, Olfus; many farms fell II Th.
1578	Dec. 8	Japan (Mikawa) II O.
1579	Dec. 19	Japan, Nara I O.
1580		West Indies, Cuba, Santiago III O.D.
1580	April 6	England, London, Dover I M. & W.
1580	June 25	China (Chihli), Tsunhua II II.
1580	Sept. 6	China (Shansi), Chingping, Pinglu, Pingyang Fu II II.
1581	May 18	China (Chihli), Yuchou in Hsuanhua Fu; (Shansi), Tatung Fu I H.
1581	May	Iceland, Rangarvellir and Hvollreppr III Th.
1582	Jan. 16	Peru, Arequipa III Mon.
1582	Jan. 22	Peru, Arequipa also at Lima III H.J., M. See Jan. 16.
1582	May	Italy, Pozzuoli and Naples I B.
1582	July 2	Peru, Arequipa III H.J.
1582	Sept. 16	Japan, Nara I O.
1583	Feb. 10	Japan, Nara I O.
1583	Oct. 11	Mexico, throughout the country III O.B.
1584	Mar. 1	Italy, Savoy, Valais in Switzerland I B.
1584		Iceland, South Country II Th.
1584	Sept. 10	Italy, San Piero in Bagno (Romagna) II B.
1584	Mar. 1	Throughout Switzerland, Burgundy, Dauphiny, Piedmont, and Greifensee I M.
1584	June 17	Armenia, Erzingan III M. & O.
1585	Feb. 7	China (Kiangsu), Huaian Fu, Yangchou, Chiangning Fu; (Anhui), Louchou Fu I II.
1585	April 6	China (Shansi), Tatung Fu I H.
1585	July 31	Japan (Mikawa, Yamato) II O.
1586	Jan. 8	Japan, Kioto and Central Japan III Mi.
1586	July 9	Peru, Lima III H.J.
1586		Guatemala III M.
1587	Aug. 30	Ecuador, Quito III R.S.
1588	Oct. 7	Italy, Dronero in (Cuneo) I B.
1589	Mar. 17	Japan (Suruga, Totomi) III Mi.
1590	Sept. 15	Central Europe, Austria, especially at Vienna, Maurach, Tulin, Hungary, Moravia, Glatz in Silesia, Bohemia, Saxony and the Alps III M. & Ra.
1590	July 7	China (Kansu), Kanchou and Lintao III H.
1590		Peru, Cumana III H.J.
1590		Chile III P.
1591	July 10	Italy, Vicenza (Romagna), Forli, Venice I B.
1591	July 26	Azores, St. Michel; sea waves. II M.
1591	Nov. 21	China (Kansu), Shantanwei II H.
1592	May	Greece, Zante III P.
1592	Oct. 8	Japan, Tokio I O.
1592	Nov. 24	Italy, Trevi in (Perugia) I B.
1593	Mar. 8-9	Italy, Bergamo in (Lombardy) I B.
1593	April 24	Italy, Corleone in (Palermo) II B.
1595	Aug. 17	Japan, Kioto (Yamashiro, Yumato, Omi, Tamba, Kawachi, Settsu) I Mi.
1596	Aug. 5	Japan, Kioto, Osaka; (Satsuma) III Mi.
1596	Sept. 4	Japan, Kioto, Kinai; (Kii, Chikuzen) III O.
1596		England (Kent) I M. & W.
1596		Russia, <i>Nizhni-Novgorod</i> III M. & O.
1597	Jan. 3	Iceland, Skalholt; many farms fell II Th.
1597	Spring	Iceland, Olfus, with eruption of Hecla II Th.
1597	July 28	Portugal, Lisbon II M.
1597	Aug. 3-4	Italy, Scarperia in (Florence) II B.
1597	Oct. 2	China (Shingking), Liaoyang and Kuangning II II.
1598	Feb. 7	China (Hupch), Changle in Yichang II H.
1598		Asia Minor, <i>Amasia</i> and <i>Chorum</i> III M. & O.
1599	June 25	24th, 17h. 20m., G.M.T. Philippines, Manila, Southern Luzon III S.M.
1599	Sept. 13	China (Hupeh), Anlu Fu, Mienyang; (Hunan), Yochou Fu I H.
1599		Italy, Reggio in (Calabria), Messina and surrounding country I B.
1599-1600		Italy, Cascia in (Perugia) I B.
1600	Jan. 2	Philippines, Manila II S.M.
1600	July 5-6	Italy, Florence I B.

A.D.					
1600	July 23	Japan, Tsugaru, with eruption of Iwakiyama	III	O.	
1600	Sept.	Italy, Issime in (Aosta)	II	B.	
1600	Nov.	Philippines, Manila	I	S.M.	
1601	Jan. 16	Philippines, Manila	II	S.M.	
1601	Sept. 8	Throughout almost all Europe, especially in Germany and part of Asia; most violent in Switzerland, Austria, Bohemia, Bavaria, Swabia, Alsace and part of the Netherlands	I	M.	
1603	May 30	China (Hupeh), Chunghsiang in Anlu Fu	II	II.	
1603	June 7	Japan, Tokio	I	O.	
1603		Mexico (Oaxaca), especially <i>Mixteca</i>	III	O.B.	
1604		Italy, Perugia	I	B.	
1604	Jan. 22-23	Japan, Kioto	I	O.	
1604	March	Mexico, Oaxaca town	III	O.B.	
1604	Aug. 12	Japan, Kioto	I	O.	
1604	Oct. 25	China (Kansu), Kungchang Fu; (Shensi), Lichaun, Hsian Fu; (Kiangsi), Paiyang in Kuanghsin Fu; (Kiangsu), Wu in Suchou Fu. Possibly two earthquakes	III	H.	
1604	Nov. 23	Peru, Arequipa	III	H.J. See Nov. 24	
1604	Nov. 24	Chile and Peru, Arica to Arequipa	III	Mon. See Nov. 23	
1604	December	Chile, La Serena	I	Mon.	
1605	Jan. 31	Japan, Kiushu, Shikoku, Central Japan; with sea waves	III	Mi.	
1605	July 14	China (Kuangsi), Luchuan in Yulin	III	H.	
1606	Aug. 22	Italy, Bergamo	I	B.	
1607	Feb. 2 & 16	Japan, Tokio	I	O.	
1607	Sept. 16	China (Sszechuan), Lungan Fu, Mou	I	H.	
1608	Jan. 8	Mexico (Oaxaca)	III	O.B.	
1608	Dec. 3	Philippines, Leyte Island, Dulag and Palo	II	S.M.	
1609	July 13	China (Kansu), Kanchou Fu, more than 840 lives lost; (Chehkiang), Tungkuan in Shaohsing Fu, the land opened for a length of 870 li, about 310 miles	III	H.	
1609	July 20	Italy, Nicastro in (Catanzaro)	II	B.	
1609	Oct. 19	Peru, Lima	II	H.J.	
1610	Nov. 29	Switzerland, Bale	I	M.	
1610	Nov.	Philippines, East Luzon, along the Eastern Range Sierra Madre	III	S.M.	
1611	Jan. 15	Italy, Val di Luserna in (Piedmont)	I	B.	
1611	Aug. 25-31	Mexico, Mexico City and (Jalisco)	III	O.B.	
1611	Sept. 8	Italy, Scarperia, Mugello and Florence	II	B.	
1611	Sept. 27	Japan, Aizu	II	O.	
1611	Dec. 2	Japan, Sendai, Yezo, with sea waves	III	O.	
1611	Dec. 9	Persia, Khorasan, Dughabad	III	Ol.	
1612	Jan. 31	Italy, <i>Roccabigliera</i> , Loano and other places in (West Liguria)	II	B.	
1612	Mar. 12	China (Yunnan), Tali Fu, Wuting Fu, Chuching Fu, Yunnan Fu; also in Burma	III	H.	
1612	July 2	China (Yunnan), Yunnan Fu and Chuching Fu	III	II.	
1612	Nov. 8-Dec. 7	Germany, Westphalia, especially at Bielefeld and the Castle of Sparenberg; also the Island of <i>Candia</i> and several places in the Mediterranean; much destruction	III	M.	
1613	Aug. 25	Italy, Naso in Messina	III	B.	
1613	Spring	Iceland, South Country, Skeid; farms fell	II	Th.	
1614	May 4	Azores, Island of Terceira, Angra, Praya	II	M.	
1614	Oct. 24	China (Shansi, Honan)	II	H.	
1614	Nov. 28	Japan, Kioto; (Echigo); sea waves	III	Mi.	
1615	Mar. 1	China (Kiangsu), Yangchou Fu; (Hupeh), Langchan, now Changyang, in Yichang Fu	II	H.	
1615	June 26	Japan, Tokio	III	O.	
1615	Sept. 16	Chile, Arica	III	Mon.	
1616	March	Different parts of Switzerland	II	M.	
1616	Sept. 9	Japan, Sendai	II	O.	
1617	Jan. 14	Italy, Lantosca and other places in (Nice)	II	B.	
1617	July 5	Germany, Freiburg in the Breisgau	I	M.	
1618	Jan. 18	Italy, Saorgio and elsewhere in (Nice)	I	B.	
1618	May 26	India, Bombay, earthquake?	III	Ol.	

A.D.		
1618	Aug. 25	Throughout Switzerland, in the Pays du Vaud, Grisons and the Valteline III M.
1618	Nov. 17	China, Pekin : (Shansi), Ningwu Fu, and seventeen other districts II H.
1619	Jan. 5	Italy (Calabria) I B.
1619	Feb. 13	Mexico, Oaxaca and throughout most of the country III O.B.
1619	Feb. 16	Peru, Trujillo III H.J.
1619	Autumn	Iceland, Tengyeyjarsysla (Northland) I Th.
1619	Nov. 27	Persia, Khorasan, Dughabad III Ol.
1620		Philippines, Panay Island, Iloilo, Capiz III S.M.
1620	Mar. 5	China (Yunnan), Yunnan Fu ; (Kuangtung), Chaoching Fu, Huichou Fu ; (Hupeh), Chingehou Fu, Chengtan Fu II H.
1621	May 20	Switzerland, at Bâle and Neufchâtel, in the Canton du Vaud, at Geneva and in Savoy I M.
1622	Mar. 18	China (Shantung), Tungchang Fu ; (Honan) III H.
1622	April 17	China (Shantung), Tungchang, and eight other districts III H.
1622	May 6	Mexico, Zacatacas III O.B.
1622	June 7	Mexico, Oaxaca town II O.B.
1622	Sept.	Mexico, Zacatacas III O.B.
1622	Oct. 25	China (Kansu), Lungte and neighbouring districts in Pingliang ; about 11,800 houses were damaged and 12,000 people killed or wounded III H.
1622	Nov. 18	Japan, Kioto I O.
1624	Feb. 10	China (Kiangsu), Nankin and six other districts, Yangchou Fu II H.
1624	Mar. 21	Italy, Argenta in Ferrara II B.
1624	Mar. 31	China (Chihli), Shuntien Fu, Yungping Fu II H.
1624	April 17-23	China (Chihli), Leting in Tungping Fu II H.
1624	June 19	Japan (Shimotsuke) II O.
1624	July 20	China (Chihli), Paotung Fu II H.
1624	October	West Indies, Cuba, Santiago III O.D.
1624	Oct. 3-5	Italy, Mineo in Catania II B.
1624	Nov. 9	Japan, Kioto I O.
1624	Nov. 11	Iceland, Southland : many farms fell in Floi II Th.
1625		Italy, Termoli in (Campobasso) I B.
1625	Dec. 5-6	Italy, Rimini and environs I B.
1625		Colombia, Bogota, Caracas I O.D.
1626	March-April	Italy, Girifalco in (Catanzaro) II B.
1626	May 12	Italy, Macreata in the (Marches) I B.
1626	June 28	China (Chihli), Taming and Kuangping : (Shantung), Tungchang Fu ; (Honan), Honan Fu ; (Shansi), Pingyang III H.
1627	Feb. 5 to	
1627	Mar. 18	China (Kansu), Ninghsia III H.
1627	Feb. 26	Japan, Kioto I Mi.
1627	Mar. 8	Japan, Tokio I O.
1627	July	Italy, Accumoli in (Aquila) II B.
1627	July 30	Italy, Region of Garganica in (Apulia), especially <i>San Severo, Serra Capriola, San Nicandro</i> III B.
1627	August	Philippines, N. Luzon (Cagayan, Ilocos Norte), Aparri, Lavag III S.M.
1628	Aug. 10	Japan, Tokio II Mi.
1628	Oct. 3-4	Italy, Parma I B.
1628		Philippines, S.E. Luzon (Ambos Camarines and Albay), <i>Camalig, Albay, Nueva Caceres</i> III S.M.
1628	Dec.	Germany, in the Duchy of Mecklenburg I M.
1630	Feb. 21	Iceland, South country, Skalholt II Th.
1630		Arabia, Mecca, Medina ? II M.
1630	Aug. 1	Japan, Tokio II O.
1630	Nov. 27	Peru, Lima II H.J.
1631	Jan. 27	Japan, Tokio I O.
1631	July 22	China (Kansu), Lintao and Kunghchang III H.
1631	Dec.	Italy, <i>Torre del Greco</i> and Naples, preceding an eruption of Vesuvius I B.
1632		Argentina, Esteco in (Salta) I Mon.
1632	June 17	China, Nankin also (Szechuan) I H.

A.D.		
1633	Feb. 21-22	Italy, Nicolosi in (Catania), preceding an eruption of Etna II B.
1633	Feb. 5 to July 17	Mexico (Oaxaca), Puebla and Vera Cruz; extended from the coast of Ecuador to Canada III O.B.
1633	Feb. 28	Japan Odawara III Mi.
1633	May. 14	S. Chile, Carelmapu I Mon. & P.
1633		Iceland, Southland; farms fell in Olfus II Th.
1634-5		Italy, Tregastagne, at foot of Etna and Messina, during eruption of Etna II B.
1634	Nov. 10	Italy, Matera in the (Basilicata) I B.
1635	Mar. 1	Japan, Tokio II O.
1635	Mar. 10	Japan, Matsumai, Yezo III O.
1635	Mar. 12	Japan, Tokio II O.
1636	Sept. 1	Malta II O.D.
1636	Sept. 30	Greece, Island of Zante II M. & P.
1636	Dec. 21	Philippines, S.W. Mindanao (Cotobato and Lanao), district around <i>Illana Bay</i> , Cotobato, Polloc III S.M.
1638	January	China (Shensi), Hsian Fu II H.
1638	Mar. 27	Italy, throughout (Calabria), especially destructive from Oppido to beyond Bisignano, also in Zante III B. & P.
1638	June 2	U.S.A., New England II M.
1638	Oct. 6	Italy, Parma I B.
1638	Oct. 10	China (Shingking), Liaotung I H.
1638		England, Chichester I R.
1638		Iceland, South country, Olfus II Th.
1639	Mar. 12	Japan, Tokio II O.
1639	Oct. 7-8	Italy, Amatrice and neighbouring towns in (Aquila) III B.
1639	Nov.	Japan (Echigo) II O.
1640		Persia, Tabriz and Damascus II M.
1640	June 19	Italy, Badolato in (Catanzaro) II B.
1641	Jan. 4	Philippines, N. Luzon (Ilocos Norte), North part of (Mountain and Cagayan), <i>Aparri</i> , Laoag III S.M.
1641		Venezuela, Caraccas I P.
1641	Feb. 5	Persia, Tabriz; also felt at Bagdad III M. also M. & O.
1641	June 8-10	Italy, Pontoremoli and throughout the Lunigiana in (Tuscany) I B.
1642	June 13	Italy (Lombardy), Bergamo, Milan, Lecco and Parma I B.
1643	July 17	Italy, Troina in (Catania) I B.
1643	Sept. 6	Chile, Santiago I Mon.
1643	Nov. 11	China (Anhui), Fengyung I H.
1644	Jan. 12	China (Anhui), Hochiu, Mengcheng, Ying in Yingchou Fu I Ho.
1644	Jan. 15	China (Kiangsu), Hsiao, Feng, Pei, Suchien in Hsuchou Fu I Ho.
1644	Jan. 16	5.30 a.m. Columbia, Pamplona III O.D.
1644	Feb. 15	Italy and France, Belvedere, Bollena, Roccafigliiera, Lantosca in (Nice), Aix and Marseilles II B.
1644	Mar. 4	China (Kiangsu), Chiangning Fu; (Kiangsi), Yuanchou, Wantsui, Fengi in Yuanchou Fu I Ho.
1644	March	Japan, Nikko II O.
1644	Oct. 18	Japan (Ugo) II O.
1645		Chile II P.
1645	Nov. 30	12h. 0m. G.M.T. Philippines; all Luzon except Ambos Camarines and Albay III S.M.
1645	Dec. 5	15h. G.M.T. Philippines, same district as Nov. 30 II S.M.
1645		Austria, Croatia, Karlstadt I F.
1646	March	Philippines, S. Luzon, Manila and neighbouring provinces I S.M.
1646	April 5	Italy, Leghorn I B.
1646	April 28	Italy, Aquila in (Abruzzi) I B.
1646	May 31	Italy, Ischitella, Gargano and other towns in (Fogg.a) III B.
1646	June 9	Japan, Sendai: (Uzen, Ugo, Rikuchu, Mutsu) III O.
1646	Dec. 21	Japan, Kioto I O.
1646		Austria, Croatia, Karlstadt I F.
1647	May 13	Chile, Santiago, Concepcion, felt from Poz de Maule to Chuapa III P., H.J. & Mon.

CATALOGUE OF DESTRUCTIVE EARTHQUAKES

A.D.

1647	June 15	Japan, Tokio ; (Sagami) II Mi.
1648		Austria, Dalmatia, Zeng I M.
1648	April 2	Armenia, Van III M. & O.
1648	June 13	Japan, Hakone, Tokio, Kioto III Mi.
1648		Philippines, Central Luzon II S.M.
1649	January	Italy, Messina and felt at Reggio I B.
1649	Mar. 17	Japan (Yamashiro, Aki, Iyo) III Mi.
1649	July 29	Japan, Tokio, Nikko III Mi.
1649	Sept. 1	Japan, Tokio II O.
1649	Nov. 10	China, Pekin I Pa.
1650	Jan. 26	China (Fukien), Lungyen circuit III Ho.
	Beginning	
1650	of March	Greece, Island of Santorin I M.
1650	Mar. 31	Peru, Cuzco, Lima III H.J.
1650	April 23	Japan (Sagami, Musashi, Awa, Kadsusa, Shimosha, Hitachi, Kotsuke, Shimotsuke) I Mi.
1650	Nov. 4-10	Bolivia, La Plaz II Mon.
1651	Jan. 14	China (Fukien), Yenping Fu, Tingzhou Fu, Shaowu Fu III Ho.
1651		England (Cumberland and Westmoreland) I M. & W.
1651		Peru and Chile III P.
1652	Feb. 18	China, Pekin I Pa.
1652	Mar. 23	China (Anhui), Ssuehchou, Taihu in Anching Fu, Chihchou Fu II Ho.
1652	Mar. to April	China (Kiangsi), Jaochou Fu ; (Hupeh), Hayang Fu, Hsiangyang Fu I Ho.
1652	April to May	China (Anhui), Luehcou Fu ; (Kiangsi), Hukou in Chiu-chiang Fu, Nanan Fu I Ho.
1653		China (Shensi), Lueh.yang in Hanchung Fu, Yenan Fu III Ho.
1653	May 1	Philippines, Manila and neighbouring provinces I S.M.
1653	Sept. 27	Italy, Cesena, Faenza in (Emilia) I B.
1653		Asia Minor, Smyrna ; 2,000 to 3,000 killed III M.
1654	Feb. 7 to 21	China (Anhui), Chihchou Fu, Tungliu, Luchiang in Luehcou Fu II Ho.
1654	June 20-22	China (Shensi), Hsian Fu, Hanchung Fu III Ho.
1654	July 21 to	China (Shensi), Hsian Fu, Yenan Fu, Hanchung Fu, Fenghsiang Fu ; (Kansu), Pingliang Fu II Pa.
1654	August	China (Kuangtung), Shunte, Hsiangshan, Tsengcheng, Hsuehui in Kuangchou Fu II Ho.
1654	July-Aug.	Italy, Sora, Arpino, Casalvieri and other towns in the Terra di Lavoro III B.
1654	July 23	Italy, Atella in (Basilicata) II B.
1655	Sept. 8	Formosa, Tainan III H.
1655	Jan. 21	Italy, Rocca S. Casciano in (Florence) I B.
1655	Mar. 25	China (Shantung), Yenhou Fu, Tsaochou Fu I Ho.
1655	Sept. 4	Peru, Lima III H.J. M. gives I
1655	Nov. 13	Syria, Tripoli II M.
1656	Oct. 17	Italy, S. Severo in (Foggia) I B.
1657	Feb. 15	France, St. Maure, not far from Tours and the environs for six miles round II M.
1657	Mar. 15	Chile, Santiago, Concepcion ; with sea waves III Mon. & P.
1657	Mar. 16	Iceland, South and Westland, Floi, Fliotshlid III Th.
1657	May 3	China (Ssuehuan), Paoning Fu II Pa.
1658		Greece, Island of Cephalonia II M.
1658	Feb. 3	China (Chihli), Hsincheng in Paoting Fu, Yichou, Nanpi, Yenshan in Tiensing Fu II Ho.
1658	Feb. 14	Peru, Trujillo III H.J.
1658	Feb.-Mar.	Malta I B.
1658	May 5-15	China (Kiangsu), Tungtai in Yangzhou Fu II Ho.
1658	Aug. 20	9hr. 0m. G.M.T. Philippines, S. Luzon, Manila and neighbouring provinces III S.M.
1658	Sept. 20	China (Kiangsu), Hsinyang in Suchou Fu, Chihchou Fu, Shanghai, Taitsangzhou II Ho.
1659	April 21	Japan (Shimotsuke, Mutsu) III O.
1659	Nov. 10	Italy, Catanzaro in (Calabria) III B.
1659	Dec. 25	Turkey, Constantinople II M.
		China (Fukien), Yenping Fu, Ninghua in Tingzhou Fu I Ho.

A.D.		
1660		Italy, Modena I B.
1660		Greece, Cephalonia I P.
1660	June 8	China (Honan), <i>Nanyang Fu</i> III Ho.
1660		Formosa, Tainan III H.
1661	Jan. 8 or 9	Switzerland, throughout the Canton of Glarus I M.
1661	Jan. 8 or 9	Formosa; the sea was violently agitated II M.
1661	Mar. 12	Italy, Bergamo in (Lombardy) II B.
1661	Mar. 22	Italy, <i>Galeata</i> , Rocca S. Casciano, S. Sofia and other towns in Romagna III B.
1661	July	Italy, Otranto in (Lecce) II B.
1661	Aug. 4	Japan (Higo) I O.
1661	Dec. 10	Japan (Tosa) II O.
1662	Jan. 26	U.S.A., New England I M.
1662	May 12	Japan, Kioto (Yamashiro, Kawachi, Settsu) II Mi.
1662	June 16	Japan, Kioto; (Omi, Hizen, Shinano) III Mi.
1662	Oct. 30	Japan (Hyuga, Osumi) III Mi.
1662	Nov. 23	Ecuador, Quito III R.S.
1662		Crete I P.
1663	Jan. 5	Canada, St. Lawrence Valley, Quebec, Sillery, Tadoussac I M. & O.D.
1663	Feb. 5	U.S.A., New England States, 3 violent shocks I F.R.
1663	Mar. 4-13	China (Hupeh), <i>Anlu Fu</i> III Ho.
1663		Iceland, Reykjanes peninsula; many farms abandoned II Th.
1663	Aug. 27	Japan, Yezo, Matsumai III Mi.
1664	Jan. 4	Japan, Kioto II Mi.
1664		Persia, Tabriz and the country round I M.
1664	Mar. 24	Greece, Zante I P.
1664	May 12	Peru, Ica II H.J.
1664	Aug. 3	Japan (Kii) III O.
1664		Japan, Torishima (Loochoo) III O. Same as above?
1664		India, near Dacca I Ol.
1665	January	Island of Candia II M.
1665	April-May	China (Honan), Chiachou; (Chihli), Shuntien Fu, Paoting Fu, Chichou II Ho.
1665	June 12	Japan, Tokio I O.
1665	June 19	Philippines, S. Luzon, Manila and neighbouring provinces II S.M.
1665	June 25	Japan, Kioto III O.
1666	Jan. 19	England, Coventry I R.
1666	Feb. 11	Japan (Echigo), Takata II Mi.
1666	April 14	Italy, Bologna I B.
1666	Nov.	Assyria, <i>Mensal</i> , Mosul? and the country round, five towns and 45 villages ruined III M.
1667		West Indies, Jamaica II P.
1667		Italy, Spoleto in (Perugia) and other towns I B.
1667	Jan. 2	China (Kiangsu), Suchou Fu, Taitsangchou I Ho.
1667	April 6	Austria, Ragusa, Dalmatia I B.
1667	July 30	Mexico, Mexico City; (Puebla) I O.B.
1667	Nov.	Caucasia, Shemaka; 80,000 persons perished III M.
1668	May	India, Samawani or Samaji, Delta of Indus III Ol.
1668	June 9	China (Honan), <i>Shangcheng</i> in Kuangchou III Ho.
1668	June 14-18	China (Chihli), Shuntien Fu I Ho.
1668	July 3 to	
1668	Sept. 13	Asia Minor, Angora, Caesarea (Kaisarije), Coniye I M.
1668	July 4 to Aug.	All Eastern China (<i>Shantung</i>) III Ho.
1668	Aug. 27	Austria, Neustadt I M.
1668	Aug. 28	Japan, Sendai III O.
1668		West Indies, St. Christopher I M.
1669	January	Caucasia, Shemaka and Lajka III M. & O.
1669	Mar. 11	Italy, Nicolosi in (Catania) II B.
1669	June 4	Upper India, near Fort Mandraian II Ol.
1669	June 22	India, Cashmir I Ol.
1669	June 23	India, Atock II Ol.
1669	Sept. 6	Japan, Tokio I O.
1670	Jan. 17	Italy, Hall and Innsbruck in the Tyrol, and the adjacent country, south to Venice, north to Wildungen, Augsburg, Donauworth, and Nuremberg, west to the Lake of Constance and the Canton of Glarus II M.
1670	Jan. 22	Caucasia, Shemaka II M. & O.

A.D.

1670	July 21	Japan (Sagami) III O.
1670	Sept. 28	Japan (Tsushima) III O.
1670	Dec. 22 & 23	Caucasia, Shemaka II M. & O.
1671	Jan. 1	Caucasia, Shemaka III M. & O.
1671	Feb. 1	Caucasia, Shemaka II M.
1671	June 20	Italy, <i>Modena</i> , Reggio in (Emilia), Verona III B.
1671	Summer	Iceland, Grimsnes and Olfus; many houses fell III Th.
1671	Aug. 8	Caucasia, Shemaka II M.
1671	Sept. to Oct.	China (Shantung), Yenchou Fu, Yichou Fu, Anchiu in Chingchou Fu; (Kiangsu), Hsiao in Hsuehchou Fu II Ho.
1672	April 14	Italy, <i>Rimini</i> , Castelnuovo, Fano and other towns in the (Marches) III B.
1672	June 8	Italy, Amatrice, Montereale in (Aquila) II B.
1672	Oct. 10-12	China (Kiangsu), Paoshan, Ciating in Taitsangchou, Su-chou Fu I Ho.
1672	Dec. 5	China (Fukien), Lienchiang in Fuchou Fu III Ho.
1672		Most of the Grecian Islands, especially Santorin & Stanichio II M.
1673	Aug.	Persia in (Khorasan), <i>Meshed</i> , <i>Nishapur</i> II M.
1673	Oct. 8	China (Chihli), Huaian in Hsuanhua Fu III Ho.
1673	Oct. 18	China (Chihli), Shuntien Fu, Yichou, Yungping Fu I Ho.
1675	Feb.	Philippines, S. Luzon (Mindoro, Batangas), Taal, Calapan II S.M.
1675	Feb. 11	West Indies, Cuba, Santiago III O.D.
1676	June 17	Italy, Ivrea (Piedmont) II B.
1676	July 12	Japan (Iwami) III O.
1676	July	China (Chihli), Pekin, Tungchou, comprising Tung, Tsun-hua and Yungping III H.
1677		West Indies, Jamaica, Port Royal II P.
1677	April 13	Japan, Tsugaru, Nambu III O.
1678	April 5	China (Honan), Yushih, Weichuan in Kaifeng Fu; (Shansi), Tungliu, Luan Fu I Ho.
1678	April 22	France, Blois I M.
1678	May 24	China (Kiangsu), Taitsangchou, Sungehiang Fu I Ho.
1678	Oct. 2	Japan, Tokio I O.
1679	Feb. 11	West Indies, Cuba, Santiago II O.D.
1679	June 4 to 12	Caucasia, the fort of Erivan and all the country round, to the Ararat chain III M., M. & O.
1679	Aug. to Sept.	China (Shensi), <i>Yenan</i> Fu; (Honan, Chihli) II Ho.
1679	Sept. 2 to 7	China, <i>Pekin</i> ; (Shantung, Honan, Kiangsu) III Ho.
1679	Oct. 9	Throughout the whole of Spain, principally in the kingdom of (Grenada), <i>Malaga</i> II M.
1681	Jan. 27	Switzerland, Canton of (Glarus) and <i>Appenzel</i> I M.
1681	Mar. 10	Chile, Arica I Mon.
1682		West Indies, Santiago de Cuba I O.D.
1682	Mar. 19	Mexico, Mexico City and <i>Oaxaca</i> II O.B.
1682	May 2	France, throughout the whole of Savoy, Provence, Alsace, Burgundy, and as far north as Paris, and in Thuringia in Germany, Switzerland, <i>Bâle</i> , <i>Neuchâtel</i> , <i>Genève</i> , and Glarus I M.
1683	Whit-Monday	Austria, Styria, Mariazell I Ra.
1683	May 1	Japan, Nikko I O.
1683	June 18	Japan, Tokio; Nikko (Shimotsuke) II Mi.
1683	Aug. 24	Philippines, Manila II S.M.
1683	Oct. 20	Japan, Nikko, Tokio II Mi.
1683	Nov. 22	China (Honan), Yushih in Kaifeng Fu; (Chihli), Kuang-chang in Yichou, Tungkuang in Hochien Fu I Ho.
1683	Nov. 27	Caucasia, Erivan and on the frontiers of Persia and Turkey I M.
1684	Feb. 26	Different parts of Switzerland, especially in the Haut-Valais, and perhaps at Lausanne and Bâle I M.
1685	Oct. 8	Japan (Suwo, Nagato) II O.
1686	May 12	Formosa III Ho.
1686	June 10	Formosa I H.
1686	Oct. 3	Japan (Totomi, Mikawa) II Mi.
1687	Feb.	Chile, with sea waves III P.
		Philippines, Manila and neighbouring provinces I S.M.

A.D.		
1687	April	Persia, the town of Machat on the borders of India was ruined II M. Makat is in Chinese Turkestan.
1687	April 25-26	Italy, Amalfi in (Salerno) I B.
1687	Oct. 2	Italy, Tropea in (Catanzaro) II B.
1687	Oct. 20	Peru, Liina, Callao, and an immense district along the sea coast of Peru; sea waves. III M. Mon. gives Oct. 21.
1688		West Indies, Jamaica, Port Royal II O.D.
1688	January	Italy, Pisticci in (Basilicata) II B.
1688	Mar. 1	West Indies, Jamaica, Port Royal II M. M.H. gives Feb. 19.
1688	April 11	Italy, Cotignola, Bagnacavallo and other towns in Romagna III B.
1688	May 31-June 1	Italy, Fano in (Marches) II B.
1688	June 5	Italy, Benevento (Avellino), Salerno, Campobasso (Foggia, Lecce and Basilicata) III B.
1688	July 10	Asia Minor, Smyrna; 15,000 to 20,000 killed III M.
1688	July 12	Chile, Santiago I Mon.
1688	July 23	Italy, S. Severo, Torremaggiore and elsewhere in Apulia and Calabria I B.
1688	Oct. 4	China (Yunnan), Hohking and Kienchuan III Pa.
1689		England, Lyme Regis (Dorset) I R.
1689	Sept. 21	Italy, Bari and neighbourhood I B.
1690	April	West Indies, Antigua, Barbadoes, St. Christopher III O.D. & P.
1690	July 9	Chile, Santiago I Mon.
1690	Dec. 4	Italy (Venetia, Istria); Laibach and Villach in Austria II B. & Ra.
1690	Dec. 22-23	Italy, Ancona, Sirdo and other places in the neighbourhood II B.
1691		West Indies, Hayti, the town of Azua in St. Domingo II M.
1692	June 7	West Indies, Jamaica, Port Royal, 3,000 persons perished III M.
1692	Sept. 13	Argentina, Tucuman, Esteco. I Mon.
1692	Oct. 24	Italy, Fano in (Marches) II B.
1692		England, London I M. & W.
1693	Jan. 11	Italy (Catania), and other towns in the province and in (Syracuse) III B.
1693	Feb. 13	Iceland, Southlandunderland, also eruption of Hecla I Th.
1693	June 11	Malta III O.D.
1693	July 6	Italy, Mantova, Goito, Ferrara, Venice II B.
1693		West Indies, Cuba, Havana; 1,500 houses thrown down III M.
1694	April 8	Italy, S. Sepolcro in (Arezzo) I B.
1694	June 19	Japan (Ugo), Aikta III Mi.
1694	Sept. 8	Italy (Avellino and Basilicata) III B.
1695	Feb. 25	Italy, Asolo in (Treviso) and elsewhere in (Venetia, Lombardy and Emilia) II B.
1695	May	Japan, Higo II O.
1695	May-June	China (Shensi, Kansu, Shansi, Chihli) II Ho.
1695	May 18	China (Shensi, Honan, Hupeh) II Ho.
1695	June 11	Italy, Bagnorea and neighbouring towns (Latium) III B.
1696	June-July	China (Yunnan), Linan Fu I Ho.
1696	Aug. 23	Mexico, Oaxaca; Orizaba in (Vera Cruz) and generally in the E. and S. III O.B.
1696	Aug.-Sept.	China (Yunnan), Yunnan Fu I Ho.
1697		Italy, Naples, in consequence of an eruption of Vesuvius I B.
1697	Feb. 25-26	Mexico, Acapulco, San Marcos III Bo. & O.B.
1697	Feb. to Mar.	China (Anhui), Luchou I Ho.
1697	Mar. 24	Mexico, Acapulco III M.
1697	June 18	Italy, Florence I B.
1697	S.pt.-Dec.	Italy, Siena I B.
1697	Nov. 25	Japan, Kamakura II O.
1698	Jan. 18-20	China (Shantung), Fushan in Tengehou Fu I Ho.
1698	April 12	Italy, Vizzini, Mittelito in (Catania) and Palermo II B.

A.D.		
1698	June 19	Ecuador, the Andes about Quito, <i>Ambato</i> , Riobamba and <i>Latacunga</i> II M. R. & S. give III.
1699	July 14	Peru, Lima I H.J.
1699	Sept. 23	Japan (Kii) III O.
1699	Sept. 24?	Philippines, Manila II S.M.
1700	Mar. 16	China (Kueichou) I Pa.
1700	April 16	Japan (Tsushima) II O.
1700	May 4	China (Hupeh), Chishui, Kuangchi in Huangchou Fu I Ho.
1700	June or July	Siberia, <i>Nerchinsk</i> I M. & O.
1700	July 28	Italy, Emenonzo, S. Stefano di Piano in (Udine) II B.
1701	Dec. 21	Mexico, <i>Oaxaca Town</i> and Mexico II O.B.
1702	Mar. 14	Italy, Benevento, Aprice, Ariano and surrounding towns III B.
1702	Sept.	West Indies, Martinique II M.
1703	Jan. 14-Feb. 2	Italy, Norcia in (Perugia), Aquila in (Abruzzi), other towns in these departments and in the (Marches) III B.
1703	January	Italy, Montebello in (Verona) I B.
1703		Ecuador, <i>Latacunga</i> III R.S.
1703	Nov. 24	Mexico, Mexico City I O.B.
1703	Dec. 30	Japan (Musashi), Tokio; (Sagami), Odawara; (Awa, Kazusa, Shimosa, Hitachi, Kotsuke, Shimotsuke, Mutsu) III Mi.
1704		England, Lincoln I M. & W.
1704	Nov. 10-Jan.	Grecian Archipelago, Island of Santa Maura I M.
1705	Nov. 2	China (Chihi), Miyun in Shuntien Fu I Ho.
1705	Nov. 26	Peru, <i>Arequipa</i> , <i>Arica</i> ; sea waves. II M.
1705	Nov.-Dec.	China (Fukien), Fuchou Fu, Hsinghua Fu I Ho.
1706	April 20	Iceland, Olfus, Floi and <i>Faxaflói</i> area; many farms fell III Th. Also Jan. 28, March and April 1.
1706	Oct. 21	Japan, Tokio; (Loochoo) I Mi.
1706	Nov. 3	Italy, <i>Campobasso</i> , Manopello in (Abruzzi) III B.
1707	Mar. 24	Italy, Acquasparta and neighbourhood in Perugia I B.
1707	Sept.-Oct.	China (Yunnan), Lufeng in Yunnan Fu, Yunchou in Shunning Fu I Ho.
1707	Oct. 28	Japan, Tokaido, Kiushu, Shikoku, Chugoku; (Tosa), with sea waves III Mi.
1707	Dec. 16	Japan, Osaka; (Kii, Mikawa, Totomi, Ise, Suruga) III O.
1707		Salvador, San Salvador III Mon.
1709	Mar. 11	Japan (Mimasaka, Inaba, Hoki) II O.
1709	Oct. 14-15	China (Shensi), Chengku in Hanchung Fu; (Kansu), Hsining Fu; (Honan), Chungmou in Kaifeng Fu; (Chihi), Chulu in Shuntien Fu II Ho.
1710	May 16-17	Greece, Zante I P.
1711	Jan. to Feb.	Italy, Reggio in (Calabria, Messina) I B.
1711	June 26	China (Fukien), Yuchi, Yenping, Sha in Yenping Fu I Ho.
1711	Aug. 16	Mexico, Mexico City, <i>Tlaxcala</i> , Colima, <i>Guadalajara</i> in Jalisco, Oaxaca, Puebla and east and south of country III O.B.
1711	Aug. 31 to Sept.	China (Fukien), Changchou, Changpu, Nanching, Changtai, Pingho, etc., in Changchou Fu and Chuanchou Fu II Ho.
1711	Oct. to Nov.	Formosa, Taihoku I H.
1712	April 10	Austria, in and around Vienna, especially at <i>Neustadt</i> I M.
1712		Italy, Rome I B.
1712	May	Italy, <i>Campobasso</i> , Naples and Benevento II B.
1712	July 16	Italy, Bruzzano, Stilo in (Calabria) I B.
1713	Jan. 3-6	Italy, Massafra in (Lecce) and Bari I B.
1713	Feb. to Mar.	China (Yunnan), Yunnan Fu, Linan Fu, Chuhsiuang Fu, Kuanghsichou, Chuching Fu II Ho.
1713	Aug. 25	China (Ssuehuan), Mou II Pa.
1714		Italy, Narni in (Perugia) II B.
1714	Jan. 13	Belgium, Brabant, Hainault, Liège, also at <i>Brussels</i> and <i>Maestricht</i> II M.
1714	April 28	Japan (Shimano) II O.

A.D.				
1714	May 5	Mexico, <i>Cordoba</i> and <i>Orizaba</i> in <i>Vera Cruz</i> , <i>Oaxaca</i>	III O.B.	
1714	July 27	Greece, <i>Patras</i> II M.		
1714	Aug.	Italy, <i>Salerno</i> II B.		
1714	Aug. 28	Greece, <i>Cephalonia</i> III P.		
1714	Sept. 3	Greece, in the <i>Morea</i> , <i>Patras</i> I M.		
1715	Aug. 22	Peru, <i>Moquegua</i> I Mon.		
1715	Oct.	Formosa I H.		
1716	Feb. 3	Algiers II M.		
1716	Feb. 6	Peru, <i>Moquegua</i> , <i>Torata</i> I H.J.		
1716	Feb. 6	Mexico, Coast of Lower California III O.B.		
1716	Feb. 21	Italy, <i>Castroreale</i> in (Messina), and elsewhere in (Catania) II B.		
1716	May-June	Algiers, 20,000 perished; also felt at Catania and Syracuse III M.		
1716	Sept. 24	Philippines, S. <i>Luzon</i> (Rizal, Laguna, Cavite and Batangas), <i>Taal</i> II S.M.		
1716		Central Asia, through the whole of the district <i>Sungaria</i> , 45°N. 88°E., between the lakes <i>Balkash</i> and <i>Zaisang</i> 48°N. 84°E., <i>Aksu</i> III M.		
1717	Feb. 13	Japan (Hyuga) I O.		
1717	April 4	Italy, <i>Vittoria</i> in (Syracuse) I B.		
1717	April 22	Italy, <i>Castroreale</i> and other towns in Messina II B.		
1717	Aug. 5	Algiers I M.		
1717		Asia Minor, <i>Caesarea</i> I M.		
1718		West Indies, <i>Martinique</i> , also at <i>St. Vincent</i> I P.		
1718	Feb. 20	Italy, <i>Sicily</i> (Syracuse and Catania) I B.		
1718	Mar. 10	Italy, <i>Noto</i> in Syracuse II B.		
1718	May-June	China (Kansu), <i>Tungwei</i> in <i>Kungchang</i> Fu I Ho.		
1718	June 10	China (Shensi), <i>Fenghsiang</i> Fu; (Kansu), <i>Li</i> , <i>Chinan</i> in <i>Chinchou</i> Circuit II Ho. M. & O. give June 8, Shensi and Shansi		
1718	June 15-16	Austria, <i>Neustadt</i> , near <i>Vienna</i> and the neighbourhood II M.		
1718	Aug. 3	China (Kansu), <i>Pingliang</i> and <i>Kungchang</i> III Pa. The date is that of a notification, see June 10.		
1718	Aug. 22	Japan (Yamashiro, <i>Shinano</i> , <i>Totomi</i> , <i>Mikawa</i>) III O.		
1718	Dec. 10	Island of <i>Cyprus</i> ; the capital destroyed III M.		
1719	Jan 7	Italy, <i>Friuli</i> in (Udine) I B.		
1719	Mar. 6	Turkey, <i>Constantinople</i> , also at <i>Villanova</i> in (Algarbia), Portugal II M.		
1719	Mar. 6	Asia Minor, <i>Smyrna</i> and <i>Aleppo</i> ; 200 houses ruined II M.		
1719	Mar. 6	Salvador, <i>San Salvador</i> III Mon.		
1719	May 25	Turkey, <i>Constantinople</i> and in Anatolia, between <i>Scutari</i> and <i>Ile des Princes</i> , town of <i>Seremit</i> or <i>Ismid</i> and at <i>Nicomedia</i> III M.		
1719	June to Aug.	China (Chihli), <i>Hsuan</i> Fu, <i>Shuntien</i> Fu and <i>Tiensen</i> II Ho.		
1719	July	Northern China III M. & O. See above.		
1719	June 27	Italy, <i>Norcia</i> in (Perugia) and neighbouring towns II B.		
1719	July	<i>Morocco</i> , <i>Morocco</i> , along the coast of <i>Fez</i> II M.		
1720	April	Peru, <i>Guamanga</i> II M.		
1720	June 11-12	China (Chihli), <i>Yenching</i> in <i>Hsuanhua</i> Fu I Ho.		
1720	June to July	China (Kiangsu), <i>Chenchiang</i> Fu, <i>Sungchiang</i> Fu I Ho.		
1720	July 15	India, <i>Delhi</i> III OI.		
1720	July 11-13	China (Chihli), <i>Huai'ai</i> , <i>Huaijou</i> , <i>Miyun</i> , <i>Tungan</i> in <i>Shuntien</i> Fu, <i>Paoting</i> Fu, <i>Yuchou</i> in <i>Hsuanhua</i> Fu III Ho.		
1720	July to Aug.	China (Shantung), <i>Chinan</i> Fu; (Chihli), <i>Tiensin</i> , <i>Hsuanhua</i> Fu II Ho.		
1720	Aug. 27-28	Italy, <i>Montecassino</i> and <i>Atina</i> in (Caserta) II B.		
1720	Sept. 12	Italy, <i>Gerace</i> in (Calabria) II B.		
1720	Nov. 1	Formosa, <i>Tainan</i> III H.		
1721	Jan. 5	Formosa, <i>Tainan</i> III H.		
1721	Mar. 24	Island of <i>Majoreca</i> , R. <i>Selva</i> I M.		
1721	April 26	Persia, <i>Tabriz</i> , 8,000 lives lost III M.		
1721	July 3	Throughout the whole of Switzerland, especially in the Canton of (Bâle), at <i>Wallenbuch</i> , <i>Porrentrui</i> , <i>Muhlhausen</i> , in the Canton of (Berne) along the <i>Aar</i> , <i>Lucerne</i> , <i>Zurich</i> and <i>Strasburg</i> I M.		

A.D.			
1722	Feb.-Mar.	China (Yunnan), Yunnan Fu, Linan Fu	I Ho.
1722	May 3	China (Honan), Kaifeng Fu, Huaiching Fu	I Ho.
1722	May 24	Chile, Santiago	I M., Mon. & P.
1722	Nov. 29	Algiers	I M.
1722	Dec. 27	Portugal, Villanova and all the south coast from Cape St. Vincent; the sea was agitated; Albufeira, Loule, Silves, Faro, Tavira	II M.
1722		Formosa, Hozanken	I H.
1723	Feb. 20	Costa Rica, Cartago	I O.D.
1723	Dec. 17	Japan, Kiushu	II Mi.
1723	June-July	Italy, Roccamonfina in (Caserta)	I B.
1724	May 17	Iceland, Myvatnssveit (Northland); eruption at Myvatn	II ? Th.
1724	May 24	Chile, Santiago	I Mon.
1724	Aug.	Iceland, Arnecssysla (Southland), Krisuvik in the Faxafloj and also Reykjaneskaga	II Th.
1724	Sept. 3	Italy, Reggio (Calabria)	I B.
1724	Oct. 12	Portugal, Lisbon	I M.
1724	Dec.	China (Yunnan), Yunman Fu, Chuching Fu, Chengchiang Fu	II Ho.
1724	Dec. 11	Italy, <i>Travali</i> , Monte Ingegnoli and <i>Fosini</i> (Siena)	II B.
1725	Jan. 8	Peru (Ancachs), Lima, Arequipa	III P. & Mon. H.J. gives Jan. 6.
1725	Jan. 21	Siberia, Chita in Transbaikalia and west to River Selenga	I M. & O.
1725	Mar. 27	Peru (Arequipa), Camana	II H.J.
1725	April 1 & 2	Iceland (Southland), Arnes and Rangarsysla, with eruption of Hecla	III Th.
1725	Oct. 28 ?	Italy, <i>Modigliano</i> , Faenza, Brisighella and other towns in Romagna	II B.
1725	Oct. 30	Japan, Nagasaki	III Mi.
1725	Jan. 8	Peru, Lima, Arequipa	III Mon.
1726	Mar. 19	Japan, Echizen	II O.
1726	April 9	Italy, Monte Olivetto (Siena)	I B.
1726	April 15	Turkey in Asia, Aleppo, also at Alexandria	I M.
1726	July 20	China (Hupeh), Changyang, Yichang in Yichang Fu	I Ho.
1726	Sumner	Iceland, Southland, Rangarvellar, also eruption in the Eastern Jokulls; two farms fell	II Th.
1726	Sept. 1	Italy, <i>Palermo</i> , Marsala and Mazzara	II B.
1726	Sept. 26	Italy, Trapani in Sicily	II B.
1727	Jan. 5-7	Italy, Noto (Syracuse)	I B.
1727	Mar. 10 & 18	Mexico, Oaxaca town	II O.B.
1727	May 12	Germany, Frankfort on the Main	I M.
1727	May-Oct.	Italy, Sciacca in Girgenti	I B.
1727	Nov. 7-27	West Indies, Martinique	II M. & P.
1727	Nov. 8	United States America, Newbury (Massachusetts)	I F.R.
1727	Nov. 18	Persia, Tabriz, 77,000 people perished	III M.
1727	Dec. 15	Italy, Monastery of St. Michael (Urbino)	I B.
1728	Feb. 8	Italy, Roccamonfina in (Caserta)	I B.
1728	April 18	Iceland, Myvatn	I Th.
1728	Nov. 28	Philippines, S. Luzon, especially at <i>Manila</i>	III S.M.
1729	Jan. 13	A great part of Switzerland, especially at (Berne), lakes of Thun and Brienz, at <i>Interlachen</i> , Spiez, Zurich, <i>Frutigen</i> , Rettigen, <i>Constance</i> , Bâle, <i>Lausanne</i> , Geneva, Vevey and throughout the Canton du Vaud	I M.
1729	June 28-29	Italy, Patti, Millazzo, Castroreale in Messina	I B.
1729	July 9 or		
1729	June 28	Greek Calendar. Greece, Zante	II P.
1729	Aug. 1	Japan (Noto, Sado)	II O.
1730	Mar. 12	Japan (Tsushima)	II O.
1730	Mar. 28	Italy, Massa in (Carrara)	II B.
1730	May 12	Italy, Norcia and environs in (Perugia)	II B.
1730	June	Italy, San Ginesio (Macerata)	I B.
1730	July 8-9	Chile, Concepcion, Santiago, with sea waves	III M., P. & Mon.
1730		Philippines, S. Luzon (Laguna and Tayabas)	III S.M.

A.D.

1730	Sept. 21	Formosa, Tamsui, Kagi, Shoka I H.
1730	Sept. 29 & 30	China (Chihli), Pekin, Paoting Fu, Yungping Fu, Hochien Fu, Tiensin III H.
1730	Sept.-Oct.	China (Chihli), Chengting Fu, Chichou, Hsuanhua Fu; (Shantung), Chinan Fu, Chingchou Fu II Ho.
1731	Mar. 20	Italy, Foggia (Apulia) II B.
1731	Oct. 7	Japan (Matsu) II O.
1731	Nov. 7 & 15	Mexico, Mexico City I O.B.
1731	End of year	Italy, Mountains of (Pistoia) II B.
1731	Oct. 22	China (Fukien), Hsinghua Fu, Changchou Fu I Ho.
1731	Oct. to Nov.	China (Kiangsu), Huchou Fu, Yangchou Fu, Tungchou, Haichou II Ho.
1732	Jan. 10	Spain, Seville I M.
1732	Jan. 29	China (Yunnan), Yunnan Fu, Tungchuan Fu; (Sszechuan), Ninguan Fu II Ho.
1732	Jan. 29	Japan (Tokio) I O.
1732	Feb. 4	Italy, Parma I B.
1732	Feb. 25	Mexico, Acapulco; extraordinary flux and reflux of the sea II M.
1732	Mar. 28	Italy, Milazzo, Castroreale (Messina) I B.
1732	Aug. 9-10	Italy, Imola, Forli, Faenza in (Emilia) I B.
1732	Sept. 5	Canada, Montreal, also at Boston (Pennsylvania) and at Annapolis (Maryland) I M.
1732	Sept. 7	Iceland, Rangarvelli and Eystrihreppr II Th.
1732	Sept. 15	Noon, U.S.A., Newbury, Massachusetts; felt at Boston, Montreal II F.R.
1732	Nov. 29	Italy, Ariano and other towns in (Avellino) III B.
1733	Jan. 29	Italy, Calabritto (Avellino) I B.
1733	July-Aug.	China (Yunnan), Tungchuan Fu, Chanyi in Chuching Fu I Ho.
1734	Aug.	Ireland II R.
1734	Mar. 21	Iceland, Arnessysla, Floi; 60-70 farms fell II Th.
1734		Bolivia, Mision de Tarija in el Chaco? I Mon.
1734	Aug. 17	Mexico, throughout the country III O.B.
1735	Feb. 2	Colombia, Popayan III R.S.
1735	May 30	Mexico, throughout the country III O.B.
1735	Sept. 6	China (Chekiang), Tunghsiang in Chiahsing Fu, Huchou Fu I Ho.
1735	Sept. 6	Italy, Monteleone, Pizzo (Catanzaro) I B.
1736	Jan. 27	Formosa, Taiman, Kagi, Shoka III H.
1736	May 1	Scotland, Ochil Hills I? M.
1736	June 12	Switzerland, throughout the whole country round, Bâle I M.
1736	Aug. 16	Italy, Ciminna, Naso (Messina) II B.
1736	Dec. 5	Ecuador, Quito III R.S.
1736	Dec. 25	China (Shantung), Huang, Hushan, Wenteng in Tengchou Fu I Ho.
1737	May 14	Swabia, Carlswich, Carlsruhe? I M.
1737	End of May	Turkey, Constantinople I M.
1737	June 11	Italy, San Casciano in Florence I B.
1737	Sept. 23 to	
1737	Oct. 23	Siberia, Nizhne-Kamtchatka II M. & O.
1737	Oct. 6	Siberia, Kamtchatka and Kuriles, around Avacha III M. & O.
1737	Oct. 11	India, Calcutta; 300,000 lives lost III Ol.
1737	Oct. 18	France (Vaucluse), Carpentras I M.
1737	Dec. 6	Siberia, Kamtchatka and the Kuriles II M. & O.
1737	Dec. 17	U.S.A., New York; felt in Boston and other places I F.R.
1737	Dec. 24	Chile, ruin of Valdivia III? Mon.
1738	Aug. ?	Italy, Bagnorea (Latium) II B.
1738	Aug. 16	Italy, Catania, Noto and Syracuse I B.
1738	Nov. 5-6	Italy, Parma, Mirandola, Verona I B.
1739	Jan. 3	China (Shensi), Hsian Fu I Ho.
1739	Feb. 4	Servia, Obrez near Yagodina, Morava Valley II O.D.
1739	Feb. 13	Italy, Foggia (Apulia) I B.
1739	May	Italy, Naso in Messina II B.
1739	July 14	Mexico, Colima II O.B.
1739	Dec. 24	China (Shensi), Paishui in Tungchou Fu, Chishan in Fenghsiang Fu I Ho.

A.D.			
1740	Mar. 6	Italy, Salemi in Trapani	II B.
1740	Mar. 6	Italy, Barga in Garfagnano, Castelnuovo, Fanano, Modena, etc.	II B.
1740	June 13	Italy, Sciacca in Girgenti	II B.
1740	Aug. 25	Mexico, Oaxaca and Mexico	II O.B.
1740	Aug.-Oct.	China (Chihli), Wanchuan in Hsuanhua Fu	I Ho.
1741	April 15	Italy, Cremona	I B.
1741	April 24	Italy, Fabriano, Urbino, Fano, Camerino, Pesaro in the (Marches)	III B.
1741	Aug. 25	Chile, Wagerid	I P.
1741	Oct. 1	Italy, Siena	I B.
1742	Jan. 1	Italy, Leghorn	II B.
1742	Feb. 7	Behring Island	II M. & O.
1742	Feb. 14	Greece, Zante	II P.
1742	Mar. 23	Chile, north of the Taytao Peninsula and south of the Chonos Archipelago	I Mon.
1742	June 16	Siberia, Irkutsk	I M. & O.
1742	June 16	Siberia, Behring Island	III M. & O. See Feb. 7.
1742	Sept.	China (Chihli), Huaian in Hsuanhua	I Ho.
1743	Feb. 20	Malta and Italy (Terra d'Otranto, Calabria, Messina), also Cephalonia	III B. & P.
1741, 1742, 1743		Chile, various earthquakes in the islands of Wager and Chiloe, also Valparaiso	I Mon.
1743	May 29	Italy, Ferrara	I B.
1743		Philippines, S. Luzon (Laguna and Tayabas)	III S.M.
1743-45		Italy (Calabria, Messina)	II B.
1743	Oct. 18	Colombia, Bogota, Chia	I O.D.
1745	March	Italy, Spoleto (Perugia)	I B.
1745		Greece, Corfu	II M.
1745	Oct.	Italy, Montecassino (Casserta)	I B.
1746	May 14	Japan, Tokio	I O.
1746	Mar. to July	China (Kuangtung), Kuangchou, Sanshui, Tsengcheng in Kuangchou Fu	I Ho.
1746	July	Italy, Barga in Garfagnano	I B.
1746	Oct. 8	Italy, Orsaria (Friuli)	I B.
1746	Oct. 28	Peru, Lima	III H.J.
1747	April 17	Italy, Nocera (Umbria)	II B.
1747		Peru, Carabaya	I H.J.
1747	Sept.	Italy, Reggio (Calabria)	I B.
1748	Mar. 23	Mexico, Mexico and Oaxaca	I O.B.
1749	June 8	Austria, Neustadt	I Ra.
1749	Aug. 12	1h. 0m., G.M.T. Philippines, S. Luzon, Manila (Rizal, Laguna, Cavite, Batangas), N. Mindoro	III S.M.
1749		Iceland, Southland, Olfus, Borgatjirdr, Faxafloia area	II Th.
1749 & 1750		Mexico, Colima, Sayula, Zapollan, and Amacuepan in (Jalisco)	III O.B.
1750	Jan. 28	Italy, Frascati, Albano (Latium)	I B.
1750	Feb. 1	Italy, Aquila (Abruzzi)	I B.
1750	Feb. 19	England, London	I M.
1750	Mar. 19	England, London	I ? M.
1750	May 24	South France, in and about the Pyrenees, also at Rodez, Montpellier, Narbonne, Toulouse, Medoc, Pons in Saintonge, Macaire in Guyenne, Bordeaux and 12 leagues to the west of Bordeaux, Tarbes	II M.
1750	June 7	Greece, Morea and the Island of Cerigo ; 2,000 persons perished	III M.
1750	June 24	Bavaria, Munich and Landshut	II M.
1750	Sept. 17	Italy, Fiume (Udine)	I B.
1750	Oct. 11	England, Northampton and Leicester	I M. & W.
1750		Roumania, especially at Philippopolis	II M.
1751	Mar. 24	Japan, Kioto	II Mi.
1751	Mar. 25	Chile, Concepcion ; sea waves	III Mon.
1751	May 20	Japan (Echigo)	III Mi.
1751	May 24	Chile, Concepcion, Santiago, Juan Fernandez ; sea waves	III P.
1751	May 25 & 30	China (Yunnan), Yunnan, Tenghuan in Tali Fu, Hoching in Lichiang Fu, Menghua	II Ho.
1751	July 26	Italy, Gualdo, Nocera and other towns in (Umbria)	II B. & M.

A.D.		
1751	Aug.	Italy, Palermo I B.
1751	Sept. 25	Italy, Narni in (Perugia) II B.
1751	Nov. 21	West Indies, St. Domingo, <i>Port-au-Prince</i> II M.
1751	Nov. 21	Italy, Eastern Riviera I B.
1751	Dec. 19	Portugal (Traz-os-Montes), <i>Torre-de-Moncorvo</i> I M.
1752	Feb. 16	Italy, Nizza and Oneglia I B.
1752	Feb. 23	England, Dartmoor I M. & W.
1752	Mar. 27	Portugal, at the mouths of the Mondego and Vouga, <i>Averro</i> II M.
1752	May 17	China (Chekiang), Chiahsing, Haiyen, Tunghsiung in Chiansing Fu, Huchou Fu I Ho.
	Beginning of June	
1752	July to Aug.	Greece, Zante II M.
1752	Aug. ?	Formosa, Shoka, Kagi I H.
1752	Sept.	Italy, Citta di Castello (Perugia) I B.
1752	Winter	Italy, Frascati, Velletri and Marino in (Latium) I B.
1753	Feb. 11	Iceland, Olfus, 11-12 farms and one church fell II Th.
1753	Feb.	Japan, Kioto I O.
1753	Mar. 9	Italy, Modena I B.
1753	April 2	Italy, Luserna, Perosa, Susa (Piedmont) I B.
1753	May 26	Italy, Citta di Pieve (Perugia) I B.
1753	Dec.	Italy, San Gemini (Perugia) I B.
1753	Jan. 12	China (Yunnan), Ning in Linan Fu III Ho.
1754	May 15	France, Vorreppe, two leagues from Grenoble II M.
1754	May	13h. 0m. G.M.T. Philippines, S. Luzon (Batangas, Mindoro, Cavite, Tayabas, Laguna), Manila II S.M.
1754	Sept. 1	Formosa, Tamsui II H.
1754	Sept. 2	Mexico, Acapulco, Mexico; sea waves III O.B.
1754		Turkey, <i>Constantinople, Nicomedia</i> , also at Adrianople and Asia Minor, Diarbekir, and Armenia, and at Alexandria and Cairo in Egypt II M. ? two earthquakes.
1754	Feb. 8	Iceland, Krisuvik I Th.
1755	Feb. 26	China (Yunnan), Yihnen and <i>Linan Fu</i> II Ho.
1755	April 21	Servia, Vranje, Mastanica, Ristobac II O.D.
1755	April 26	Japan, Nikko I O.
1755	June 7	Ecuador, Quito III R.S.
1755	Sept. 11-24	Northern Persia, Tabriz, <i>Kaschan</i> , Ispahan and Taurus, 40,000 perished III M.
1755	Oct. 15	Iceland, Skagafjordr, Eyafjordr, Skjalfandi, north coast Husavik, with eruption of Katla III Th.
1755	Nov. 1	Italy, Chambéry in Savoy I B.
1755	Nov. 1	Italy, Island of Ponza I B. The Lisbon earthquake.
1755	Nov. 8	Spain, Lisbon II M.
1755	Nov. 17	Spain, Gibraltar II M.
1755	Nov. 17	England (Herefordshire) I M. & W.
1755	Nov. 18	U.S.A., New England, provinces of (Massachusetts and New Hampshire), also at New York, Philadelphia, Chesapeake Bay in Maryland, Annapolis, also at Halifax, Lake St. George II M.
1755	Nov. 19	Spain, Gibraltar I M.
1755		Azores, seismic or volcanic ? M.
1755	Nov. 19	Morocco, <i>Mequinez</i> , slight shocks were felt along Rhine, the in the Breisgau, at Aix in Savoy III M.
1755	Dec. 9	Switzerland, <i>Brieg, Valais</i> I B.
1755	Dec. 9	Throughout Switzerland and parts of France, Bavaria, Swabia, the Tyrol, the Italian Alps, Turin, Milan, Piedmont, Savoy, Naples, <i>Brieg</i> and the <i>Valais</i> , the whole chain of the Alps and Jura, Chiavenna, Aigle, Lake of Geneva, <i>Glisa, Nalria</i> II M.
1755	Dec. 21	Switzerland, <i>Brieg</i> , also violent shocks the whole country round, also Lisbon and Algarbia, Algarve ? III M.
1755	Dec. 26-27	Germany and Belgium, Lower Rhine, Maestricht, Sedan, Brussels, <i>Liège, Chesnée</i> and Cologne I M.
1755	Dec. 30	Switzerland, <i>Brieg</i> I M.
1755-6		Italy, Ancona I B.

A.D.		
1756	Jan. 2 & 3	China (Kiangsu), Suchou Fu ; (Chehkiang), Tunghsiang in Chiahsing Fu, Huchou Fu II Ho.
1756	Jan. 2	Ireland, Ballymore I M. & W.
1756	Jan. 15	Switzerland, Brieg I M.
1756	Feb. 18	The Alps, parts of France and Germany, Netherlands, England, Portugal, <i>Liège, Cologne</i> I M.
1756	Feb. 19	Switzerland, Bireg I M.
1756	Mar. 11	Portugal, Lisbon II M.
1756	April 13	Italy, Padua, Verona and <i>Trevisa</i> I M.
1756	Aug. 17	Italy, Padua I B.
1756	Aug. 25	Japan (Omi) I Mi.
1756	Oct. 22	Italy, <i>Naples, Calabria, Sicily and Greece</i> I B.
1756		Siberia, Kamteliatka III M. & O.
1756	Dec. 4	Portugal, Cascaes, Cintra, Colares, Ozyrat ?, and <i>Sezimbra</i> ? II M.
1756	Dec. 7	China (Kiangsi), Jaochou Fu, Juichou Fu ; (Chehkiang), Chiahsing Fu, Huchou Fu II Ho.
1756	Dec. 13	China (Anhui), Huichou Fu, Chihechou Fu I Ho.
1757	Feb. 22	Ecuador, Latacunga III R.S.
1757	Mar. 18	Portugal, Lisbon, <i>Cascaes</i> II M.
1757	April or May 15	Morocco, Salce on the coast I M.
1757	July 9	Throughout the Azores, <i>Angra</i> (Terceira), Island of St. George ; sea waves III M.
1757	July 10	Throughout the Azores, Norte Grande, Island of <i>St. George</i> , Island of <i>Topo</i> II M. See above.
1757	Aug. 6	Italy, <i>Syracuse</i> II B.
1757	Dec. 14	West Indies, Cuba, Santiago I O.D.
Beginning of		
1758	January	North Africa, <i>Constantine</i> and at <i>Tunis</i> III M.
1758	Dec. 3 & 4	Turkey, Constantinople I M.
1758	Dec. 6	Russian Lapland, along the White Sea, at Kola and the environs I M. M. & O. give II
1759	Mar. 30	Italy, Pinerolo (Turin) II B.
1759	June 29 and following days	Mexico, frequent violent shocks ; volcano Jorullo formed in (Michoacan) III O.B.
1759	June 29	Turkey, Salonica and the town of <i>Philippopolis</i> I M.
1759	Aug. 10	France, Bordeaux, Limoges and (Limousin) I M.
1759	Sept. 28 & 29	Mexico, the region round S. Pedro de Jorullo I M.
1759	Oct. 30	Asia Minor, Aleppo, Damascus, Tripoli, coasts of Syria, <i>Valley of Baalbek</i> , the centre being at <i>Saphet</i> ; at Acre the sea rose III M.
1759	Nov. 26 & 28	Asia Minor, Aleppo, Saphet, Damascus, Tripoli, coast of Syria II M.
1759	Dec. 22	Sweden, <i>Gothenburg, Jönköping, Örebro</i> ? and Cluneur ? I M.
1760	Mar. 25	China (Kansu), Chenyuan in Ching Circuit I Ho.
1761	Mar. 31	Spain and Portugal, Lisbon, <i>Oporto</i> , felt as far as Madrid, Santa Cruz in Barbary, Bordeaux in France, Amsterdam in Holland, Cork in Ireland, Funchal in Madeira, and in the Azores II M.
1761	April 5	Italy, Montecassino (Caserta) I B.
1761	April 9	North Africa, Barbary, Santa Cruz I M.
1761	Dec. 9	Central Asia, north-west of Altai, Shulbinsk, Semipalatinsk, Barnoul to Ust-Kamenogorski I M.
1762	April 2	India, felt all over Bengal, Arracan, and Burmah, Pegu, north-east coast of Bay of Bengal elevated along a length of 100 miles, Brahmaputra to Calcutta, Dacea, Ghirotty, Chittagong and Bakar Tschurak II M. & Ol.
1762	April 17	Italy, Mugello (Tuscany) II B.
1762	July	Italy, Cassanucciola (Ischia) I B.
1762	Oct. 6	Italy, Poggio, Picenze and other places in (Aquila) II B.
1762	Oct. 31	Japan (Sado) II O.
1762	Nov. 6	Spain, Aquila II M.
1762	Nov. 8	West Indies, Jamaica I M.
1763	January	Colombia, Department of Cauca I O.D.
1763	Feb. to June	Italy, Bronte, Paterno, Nicolosi (Catania) ; connected with opening of a crater I B.
1763	June 28	Hungary, <i>Comorn, Raab, Pesth, Buda, Kerepas, Temeswar, Belgrade, Leobersdorf</i> II M. & Ra.

A.D.			
1763	July 29	Hungary, <i>Comorn</i> , also at Raab	III M.
1763	Aug. 9	Hungary, Raab	II M.
1763	Sept. 1	Moluccas	II M.
1763	December	China (Yunnan), <i>Chiangchuan</i> in Chengchiang Fu, Hoshi, Tunghia in Linan Fu	III Ho.
1764	June 4	India, on the banks of the Ganges	II M. & OI.
1764	June 27	China (Kiangsu), <i>Lishui</i> in Kiangning Fu, Suchou Fu, Changchou Fu	II Ho.
1764	Oct. 12	Azores, <i>Fayal</i>	II M.
1764	Dec. 2 & 3	Hungary, Peterwaradin	I M.
1765	April	Central America, San Salvador, San Cristoval, Illopango, San Martin, San Pedro-Perulapam, San Partolome-Perulapilla	III Mon.
1765	May 19	France, French side of the Pyrenees	I M.
1765	Sept. 2	China (Shensi), <i>Fenghsiang</i> Fu	I Ho.
1765	Sept. 3	China (Chehkiang), <i>Chingning</i> in Chuchou Fu	III Ho.
1765	Oct. 24	Guatemala, Mexico, Tehuantepec ? <i>Suchiltepequez</i>	III Mon.
1766	Feb. 28	Sweden (Halland), Harstoëff	I M.
1766	Mar. 5	Japan, Oshiu, Awomori, Tsuruga	III Mi.
1766	April 5-21	Iceland, Southland ; three farms fell in Olfus, Arnessysla ; eruption of Hecla	I Th.
1766	May 22	Turkey, <i>Constantinople</i> and several other towns	II M.
1766	June 11	West Indies, Jamaica, Port Royal and <i>Cuba</i> , <i>Santiago</i>	III M.
1766	July 24 ?	Greece, Zante and Cephalonia	II P.
1766	Aug. 5	Austria, Hungary, Turkey, Vienna, S. Marguerita, <i>Constantinople</i> , <i>Adrianople</i> , Gallipoli, Salonica, Smyrna, Enos, Tenedos and Brussa	II M.
1766	Aug. 25	West Indies, Martinique, <i>St. Pierre</i>	II M.
1766	End of Sept.	West Indies, Cuba, <i>St. Jago</i> or <i>Santiago</i>	III M.
1766		Armenia, Pasin, Hassan	II M. & O.
1766	Oct. 21	Venezuela, <i>Cumana</i> and <i>Caracas</i> ; New Granada, Island of Trinidad, Surinam and all the north-eastern portion of S. America	III M.
1766	Dec. 7	2h. 45m., G.M.T. Philippines, Manila	I S.M.
1766	Dec. 24-25	Italy, Foligno and Norcia (Perugia)	I B.
1767	Jan. 12	Turkey, Constantinople	I M.
1767		Italy, Rotaro in Ischia	I B.
1767	Jan. 21	Italy, Fivizzano (Tuscany)	II B.
1767	Feb. 8	7th, 17h. 5m., G.M.T. Philippines, Manila and neighbouring provinces	I S.M.
1767	Feb. 7	Italy (Liguria), Genoa and other places	I B.
1767	April 13	Germany, Gotha, Cassel, Göttingen, Helmstadt, Mülhausen, <i>Rothenburg</i>	I M.
1767	May 26	Italy, Val di Lanzo (Piedmont)	I B.
1767	June 4-5	Italy, Spoleto (Perugia)	II B.
1767	July 14-15	Italy, Luzzi, S. Agata in Cosenza and felt as far as Gallipoli	II B.
1767	July 11 & 24	Greece, Island of Cephalonia, Zante, <i>St. Maura</i>	III M.
1767	Nov. 13	7h. 25m., G.M.T. Philippines, S. Luzon, Manila and neighbouring provinces	I S.M.
1768	Feb. 27	Austria, Vienna, <i>Neustadt</i> ; Presburg, Bischoffswerder and Freiberg	I M. & Ra.
1768	Mar.-April	China (Kansu), <i>Chenyuan</i> in Chingchou Circuit	I Ho.
1768	April 3 & 4	Mexico, Mexico, Puebla and <i>Vera Cruz</i>	II O.B.
1768	May 15	England, Manchester	I M. & W.
1768	Oct. 19-20	Italy, Santa Sofia (Florence)	II B.
1769	May 1	Turkey, Bagdad	III M. Partly hurricane.
1769	Aug. 29	Japan (<i>Hyuga</i>)	II O.
1769	Oct. 24	Siberia, Irkutsk and Selenginsk	I M.
1769	Nov. 18	France, Avignon and near <i>Roquemaure</i> and <i>Bedarrides</i>	II M.
1769	Nov.	Scotland, Inverness	I M. & W.
1770	January	China (Anhui), Chichi in <i>Huichou</i> Fu ; (Kiangsi), <i>Pengtse</i> in <i>Chiuchiang</i> Fu	I Ho.
1770	End of Jan.	Greece, St. <i>Maura</i> , 700 houses destroyed	III M.
1770	June 3	West Indies, Western part of St. Domingo, <i>Port-au-Prince</i>	III M.
1770	June	Italy, Reggio (Calabria and Messina)	I B.

A.D.		
1770	Nov. 3	Saxony, Schomberg I M.
1770	Dec. 27	Italy, Upper Valdarno (Tuscany) I B.
1771	Jan. 8	Italy, Leghorn I B.
1771	Jan. 28-April	Italy, Alba in Cuneo I B.
1771	Feb. 1	Philippines, S. Luzon, Manila (Rizal, Cavite and Laguna) II S.M.
	First half of	
1771	Feb.	West Indies, Martinique, <i>St. Pierre, Port Royal</i> I M.
1771	Aug. 7	Siberia, The Ostrog of Tounkiskinskoi ? near Zaisan Nor I M.
1771	Sept. 3	West Indies, Jamaica I M.
1771	Oct. 3	West Indies, St. Domingo II P.
1772	Jan. 2	France, Parthenay, Department of Deux-Sèvres II M.
1772	Feb. 18	Russian Lapland, in the neighbourhood of Kola I M.
1772	April 5	Portugal, Lisbon I M.
1772	Aug.	China (Yunnan), <i>Yunnan</i> , Tali Fu III Ho.
1772	Sept. 13	Switzerland, in the Tyrol I M.
1772	Oct.	France (Basses-Pyrénées), Arudy I M.
1772	Dec. 5	Siberia, Irkutsk, Selenginsk and Kiakhta I M. & O.
1772	Jan.	Caucasia, Beschtau mountains I M.
1773	Jan. 16-24	Morocco, at Old Fez II M.
1773	Jan. 27 & 28	France, <i>Tulette</i> near Claussayes (Dauphiny), Valréas, La Garde, Montélimar, St. Andéol and Viviers I M.
1773	Feb. 24	Hungary and Servia, Semlin and Belgrade I M.
1773	April 12	France, Claussayes I M.
1773	May 12	Spain and Africa, Cadiz, Rota, S. Maria, Port Royal, Lisbon, Madrid, Malaga, Gibraltar, Salee and <i>Tangiers</i> II M.
1773	May	Greece, Corfu II M.
1773	June 3	Guatemala III Mon.
1773	July 29	Guatemala, <i>St. Jago</i> or Santiago ; 5,000 to 8,000 families lost their lives III M.
1773	Nov. 25	Guatemala and Chile, <i>Santiago</i> in Guatemala, Copiapo in Chile III M. & Mon. This and the two previous entries probably refer to the same event.
1773	Dec. 31	France, Claussayes II M.
1774	Jan. 26 & 27	France, Montdauphin I M.
1774	Mar. 4	Prussia (Silesia), Ratibor I M.
1774	April	Italy, Parma I M. & B.
1774	July	Formosa, Kagi I H.
1774	Sept. 10	Central America, Salvador, <i>Huizucar, Huitza</i> , Mexico ? <i>Panchimalco</i> , also coast from Acajutla and the Cordilleras III Mon.
1774	Oct. to Nov.	Switzerland, <i>Altendorf</i> and <i>Stierenzen</i> II M.
1775	Mar. 17	China (Kiangsu), Chingpu, Sungehiang in Sunchiang Fu I Ho.
1775	June to July	Chile, Valparaiso I Mon.
1775	July 1 & 2	China, Yunnan, Chuhsiung Fu I Ho.
1775	Oct. 22	Guatemala III M. Possibly the same earthquake as the one recorded for 1773
1775	Dec. 30	Corsica, Vico I M.
1776	Feb. 27	France, Toulouse, <i>Alençon, Havre, Caen, St. Lo</i> and Falaise I M.
1776	Mar. 29	Italy, Rieti (Perugia and in the Abruzzi) II B.
1776	April 21 to	
1776	May 12	Mexico, S. and W. to Acapulco II M. & O.B.
1776	July 9 & 10	Austria and Italy, Trieste, Laibach, Tramonti (Udine), Venice and in the <i>Friuli</i> II M. & B. In Italy I
1776	Aug. 4	France, Carcassone (Dept. de l'Aude) I M.
1776	Nov. 28	Germany, Mannheim I M.
1776	Dec. 9	Siberia, Barguzin Fort, Transbaikalia I M. & O.
1776	Dec.	Formosa, Kagi III H.
1776-78		Italy, Cella and Abbadia, S. Salvatore, Radicofani (Tuscany) I B.
1777	Jan. 26	Peru, Lima I H.J.
1777	Feb. 7	Mexico, Jalisco I O.B.
1777		Switzerland, Lucerne, <i>Sarnen</i> I M.

A.D.		
1777	Aug. 19	Italy, Sora in Caserta I B.
1778	Jan. 18	Transylvania, Hermannstadt and on the borders of (Moldavia and Walachia), Kronstadt II M.
1778	Feb. 14	Japan (Aki, Bizen, Bitchu, Bingo) II O.
1778	June 16	Asia Minor, Smyrna II M.
1778	July 3	Asia Minor, Smyrna II M.
1778	Oct. 1	Asia Minor, Smyrna I M.
1778	Oct. 3	Asia Minor, Smyrna I M. Continuation of Oct. 1.
	Nov. 12, 13,	
1778	and 14	Spain, Granada I M.
1779	Jan. 25	Venezuela, Caraccas I M.
1779	June and July	Italy, Bologna II M. & B.
1779	Aug. 1	Siberia, Irkutsk, Balagansk, Selenginsk I M. & O.
1779	Aug.-Dec.	Italy, Portice, Naples, Massa and Sorrento I B.
1779	Oct. 20	France, St. Girons in the Pyrenees I M.
1779	Nov. 8	Japan (Satsuma, Osumi) I O.
1779	Dec. 17	Japan (Sado) I O.
1780	Jan. 27	Malta I M. & B.
1780	Feb.-Mar. 3	Persia, Tabriz II M.
1780	April 16	Japan, Tokio I O.
1780	April-May	Italy, Sicily (Calabria), Lipari Islands I B.
1780	May	Japan, Chishima or Kurile Islands II O.
1780	Beginning of	
	October	Island of Candia ; 13 villages disappeared III M.
1780	Oct. 2	West Indies, Jamaica, Savanna, La Mar II P.
1781	April 4 or	
1781	July 17	Italy, Faenza and Forli (Emilia) II B.
1781	April 13	Italy, Island of Ponza I B.
1781	June 3	Italy, Urbania, Sant Angelo, Apacchio, Piobicco, Cagli, Palcano, etc. (Marches) and less violent over a large surrounding area III B.
1781	Sept. 10	Italy, Caravaggio, Treviglio, Carsano (Lombardy) I B.
1782		Peru and Venezuela, Arequipa, Cumana II O.D.
1782		West Indies, Cuba I O.D.
1782	Feb. 25	Italy, Ortona (Chieti) I B.
1782	May 15	Hungary, in the county of (Trentschin) II M.
1782	May 22	Argentina, Mendoza I Mon.
1782	July to Aug.	China (Chekiang), Huchou Fu ; (Kiangsu), Suehou Fu, Sungchiang Fu I Ho.
1782	Aug. 15	France, Grenoble I M.
1782	Aug. 22	Japan, Tokio ; (Sagami) II Mi.
1782	Aug. 23	Japan, Tokio, Odawara ; (Uzen, Ugo) III Mi.
1782	Sept. 24	Italy, Monteporzio in (Latium) I B.
1782	End of Dec.	Hungary, Comorn II M.
1783	Feb.-Mar.	Italy (Calabria and Messina) and felt throughout Sicily and eastwards to Galpoli in Apulia III B.
1783	Mar. 4	Japan, Tokio I Mi.
1783	Mar. 26	Greece, Zante, Cephalonia, and St. Maura II P.
1783	April 11	Hungary, Comorn II M.
1783	April 22	Hungary, Comorn, along the Danube, Raab, Presburg, Pesth, Buda, Odemburg, Estherhaz II M.
1783	April 19	Philippines, N.W. Mindanao, around Dapitan Bay, Dapitan I S.M.
1783	July 28	Austria, Val di Ledro (Trent) in the Tyrol I B.
1783	Aug. 5	Japan (Shinano), Eastern Provinces I Mi.
1783	Nov. 15-16	Italy, Torremaggiore (Foggia) I B.
1783	End of Dec.	Guatemala II M.
1784	Mar. 20	Austria, Prague, the circle of Leutmeritz and the circle of Saaz as far as Eger, Dux I M.
1784	Mar.-April	Italy, Aricea (Latium) I B.
1784	Good Friday	Chile, Arica, Valley of Tambo II Mon.
1784	May 13	Peru, Arequipa, the districts of Camana and Moquegua III M.
1784	July 23	Turkey, in the Paschalik of Erzerum and the city of Erzingam ; 5,000 people injured III M.
1784	July 29	West Indies, St. Domingo, Port-au-Prince, Goave, Léogane II M.
1784	Early in Aug.	Armenia, Erivan, extending to Erzerum, Mush and Gurgur III M. & O.

A.D.

1784	Aug. 14-16	Iceland, Southland, Arnessysla, Rangarsysla ; many hundred farms and some thousand houses fell III Th.
1784	Beginning of Sept.	Greece, <i>Cephalonia</i> , St. Maura and Argos I M.
1784	Oct.	Italy, Cossenza (Calabria) I B.
1784	Dec. 5 or	France (Vosges), Neufchâteau, Roueoux I M.
1789	Nov. 29	Greece, Patras II P.
1785	Jan. 30	Russia, Mosdock on the Terek and the country round, Kislar, Astrakhan and the environs I M.
1785	Feb. 23	China (Fukien), Nanan in Chuanchou Fu I Ho.
1785	Mar.-April	China (Kiangsu), Piyang in Hsuchou Fu, Yuhmen II Pa.
1785	May 13	Mexico, <i>Cholula</i> in Puebla and <i>Chilapa</i> in Guerrero II O.B.
1785	June 26	Italy, Cozenza I B.
1785	July 11	West Indies, Antigua II P.
1785	July 12	7.45 a.m. Columbia, Bogota, Ibagué II O.D.
1785	Aug. 22	Austria (Moravia and Silesia), <i>Ratibor</i> and <i>Pless</i> II M.
1785	Sept. 12	Italy, Val di Susa (Piedmont) II B.
1785	Oct. 1-2	Austria, Linz, Gallneukirchen and other places in the neighbourhood I M.
1785	Oct. 2 & 9	Italy, <i>Piedeluco</i> , Bonacquisto, Papigno and neighbouring towns in (Perugia) II B.
1785	Dec. 4	Mexico, Acapulco II Bo.
1785	Feb. 5	Formosa, Hozan I H.
1786	Feb. 15	Greece, Corfu, 120 lives lost, Argos III M.
1786	Feb. 27	Transylvania, Klausenburg I M.
1786	Mar. 9 &	All over Upper Silesia, Poland, Hungary, Moravia, and Bohemia, from Brünn to Craeow, Schweehwitz I M.
1786	July 24	Italy, <i>Patti</i> , Naso, <i>Tindari</i> and other places in Messina, and also in Calabria III B.
1786	April 7	Italy, Milan, Monza, Bergamo and other places in (Lombardy) I B.
1786	June to July	China (Ssuehuan), Chungching Fu ; (Yunnan), Tengyueh in Yungchang Fu I Ho.
1786	July to Oct.	Italy, <i>Lucoli</i> , and elsewhere in Aquila II B.
1786	July 26	China, Ili near Kuldja II Pa.
1786	Aug. 11	England, Cumberland and North Lancashire I M. & W.
1786	Nov. 24	Italy, Alba in (Cuneo) and adjacent towns I B.
1786	Dec. 3	Hungary and Silesia, Tarnowitz, Pless, Brieg, Ratibor, Leobschutz, Neisse I Ra.
1786	Dec. 23	China (Hunan), Yuanchiang, Lungyang, Changte in Changte Fu I Ho.
1786	Dec. 25	Italy, Rimini II B.
1786		U.S.A., Alaska, Pavloff, with volcanic eruption III F.R.
1786		Java, district of Batur, <i>Djampang</i> III M.
1787	Feb.	Chile, Castro I Mon.
1787	Mar. 23	Peru, Arequipa I Mon.
1787	Mar. 28-April 3	Mexico, centre near San Marcos, Acapulco, Ayutla, Igualapa, <i>Teotillan</i> in Oaxaca, Michoacan and south to Tehuantepec ; sea waves III O.B. & Bo.
1787	May 13	12th, 22h. G.M.T. Philippines, Panay Island, Provinces of (Iloilo and Antique), Buenavista II S.M.
1787	July 13	12th, 23h. G.M.T. Philippines, Panay Island, Provinces of (Iloilo, Capiz, Antique) and Guimaras III S.M.
1787	July 16-26	Italy, Ferrara I B.
1787	Oct. 1 & 21	West Indies, Jamaica, <i>Kingstown</i> and Port Royal I M.
1787	Dec. 26	Italy, Poppi (Arezzo) I B.
1788	Spring	Servia, Vranje, Mostanica, Ristobac III O.D.
1788	April 18	Asia Minor, Palu III M. & O.
1788	June to July	Italy, Fano in (Pesaro) I B.
1788	July 22	China (Yunnan), Tungchuan Fu I Ho.
1788	Oct. 12	Aleutian Islands III M. & O.
1788	Oct. 20	West Indies, St. Lucia ; 900 lives lost III M.
1788	End of Dec.	Italy, <i>Tolmezzo</i> (Udine), throughout (Friuli), Venice and Padua II M.
1788		Hungary, Carlowitz II M.

A.D.			
1789	Jan. 19	Malta II O.D.	
1789	May to June	China (Yunnan), Tunghai, Ning in Linan Fu, Chengchiang Fu I Ho.	
1789	June 10	Iceland, Skalholt, Arnessysla, Tingvallavatn III M. & Th.	
1789	Sept. 30	Italy, <i>Citta di Castello</i> , Selci, Cerbaia, Lame and other places in (Perugia) III B.	
1790	Mar. 18	Malta II M.	
1790		Italy, Tolmezzo (Udine) II B.	
1790	Mar. 21	Italy, Malta II B.	
1790	April ?	Italy, Val di Noto, <i>Caltanissetta</i> (Messina) II B.	
1790	April 6	The Bannet, all Transylvania, as far as Constantinople, <i>Roman</i> , <i>Jassy</i> , <i>Kaninieck</i> , <i>Bucharest</i> I M. M. & O. give III	
1790	April 20	Mexico (Vera Cruz), <i>Cordoba</i> , Oaxaca and Mexico II O.B.	
1790	May 19	Chile, Tucapel I Mon.	
1790	July 26	Italy, Pontremoli (Massa) I B.	
1790	Sept. 21	Venezuela, Caraccas I P.	
1790	Oct. 8	South coast of Spain and North Africa, <i>Oran</i> , Carthagena, Malaga, <i>Santa Fé</i> and Malta II M.	
1790 ?		U.S.A., California, Inyo County III F.R.	
1791	Jan. 1	Japan, Tokio I O.	
1791	Jan.	Italy, Aquila II B.	
1791	April 15	Siberia, Nizhne-Kamtchatka II M. & O.	
1791	May 16	U.S.A., Connecticut, Bridgeport and Hartford I F.R.	
1791	Aug. 29	Hungary, Pressburg and the country round I M.	
1791	Oct. 11	Italy, Foligno (Umbria) I B.	
1791	Oct. 12	Italy, Monteleone and surrounding places III B.	
1791	Oct. 13	Italy, Capri I B.	
1791	Nov. 14	China (Shantung), Wenting, Jungcheng in Tengchou Fu I Ho.	
1791	Nov. 2	Greece, Island of Zante ; shocks continued six weeks III M. & P.	
1791	Dec.	Canada, St. Paul's Bay in the St. Lawrence I M.	
1792	Mar. 2	England, Leicester, Lincoln, Biggleswade, Bedfordshire I M. & W.	
1792	Mar. 23	Japan (Hizen) II Mi.	
1792	June 24	China (Kiangsu), Suchou, Chentse in Suchou Fu I Ho.	
1792	July 20	Formosa, Kagi III H.	
1792	July 20	Italy, Strettura in Spoleto I B.	
1792	Aug. 23	Siberia, <i>Petropavlovsk</i> , <i>Nizhne-Kamtchatka</i> , <i>Paratunka</i> and all the east coast of <i>Kamtchatka</i> II M. & O.	
1792		Chile, La Serena I Mon.	
1793		Timor, Coepang II M.	
1793		West Indies, St. Domingo II M.	
1793	July 24-25	Italy, Ventottene, one of the Pontine Islands I B.	
1793	Aug. 7	Chile, Arica I Mon.	
1793	Sept. 28	England, Salisbury and Shaftesbury I M. & W.	
1794	Feb. 6	Austria, Vienna, Styria, Brünn, and <i>Leoben</i> , <i>Grätz</i> , also in the Murzthal II M.	
1794	Feb.	China (Yunnan), Tali I Ho.	
1794	Mar. 14	Russia, Casan or Kasan III M.	
1794	Mar. 26	Peru, Lima I H.J.	
1794	May-June	China (Yunnan), Yiliang in Yunnan Fu III Ho.	
1794	June 6 & 30	Italy, Tramonti, Socchieve, and other places in (Udine) II B.	
1794	June 7	Austria, Trieste I B.	
1794	June 12	Italy, Ariano (Avellino) I B.	
1794	June 13-18	Italy, Portici, Resina and Naples, preceding an eruption of Vesuvius I B.	
1794	Oct. 11	West Indies, Jamaica, Kingston I P.	
1794	Nov. 25	Japan, Tokio I Mi.	
1795	May 23	Mexico, <i>Oaxaca</i> , <i>Puebla</i> II O.B.	
1795	Aug. 5	China (Chihli), <i>Luan</i> in Yungping Fu, Tungkuang in Hochien Fu III Ho.	
1795	Aug. 15	Italy, San Gregorio in (Latium) I B.	
1795	Aug.	Formosa, Kagi II H.	
1796	Feb. 4 & 5	Italy, Florence and Arezzo I B.	

A.D.

1796	Feb. 26	Asia Minor, especially at Latakia ; 1,500 perished III M.
1796	Mar. 18	Italy, Casamicciola (Ischia) II B.
1796	Mar. 30	Chile, Copiapo, Vallenar III Mon.
1796	Oct. 22	Italy, Ferrara, Medicina (Bologna) I B.
1796		Philippines, S. Luzon, Manila (Rizal) III S.M.
1797	Feb. 4	Ecuador, Quito, Riobamba, Latacunga, Ambato ; 40,000 perished III M.
Between Feb. 11		
1797	and Mar. 7	Philippines, Manila I S.M.
1797	Aug. 5	China (Chihli), Luan in Yungping Fu, Chi in Shuntien Fu III Ho. See 1795, Aug. 5.
1797	Aug.-Sept.	China (Yunnan), Shihping in Linan Fu I Ho.
1797	Dec. 4 & 14	Venezuela, Cumana, Cariaco and the surrounding country ; 16,000 lives lost III M. & P.
1798	Feb. 2	Salvador, San Salvador, Cuscatlan III Mon.
1798	Mar. 14	France, Dept. of Meurthe, Sarreguemines, Bliastel, Bitche I M.
1798	May 23	Russia (Perm), Kungur and villages of Perm, Oka and Verkhoturie district I M. & O.
1798	May 26	Italy, Siena II B.
1798	July 8	Japan (Kaga) II O.
1798	Nov. 7	France, Bordeaux and the country round I M.
1799	Jan. 25	West coast of France at Rouen, Nantes, La Vendée, Bordeaux, Caen and in Jersey II M.
1799	Feb. 6	Guernsey I M. & W.
1799	Feb. 19	France, Avignon II M.
1799	Mar. 1	China (Shantung), Wenteng, Jungcheng in Tengchou Fu I Ho.
1799	May 29	Italy, Brescia, Cremona, Vicenza I B.
1799	June to July	China (Chihli), Yungping, Linyu in Yungping Fu I Ho.
1799	July 28	Italy, Camerino, San Ginesio, Cessapalombo III B.
1799	Aug.-Sept.	China (Yunnan), Shihping in Linan Fu, Chiangchuan in Chengchiang Fu, Hsingping in Yuanchang I Ho.
1799, end of		Colombia and Venezuela, Cartago, Truxillo III Mon.
1800	Feb. 4	Colombia, Venezuela and Ecuador III O.D. Same as above ?
1800	Feb. 26	Portugal, Lisbon I M.
1800	Mar. 8	Mexico, Mexico City, Mixteca in (Oaxaca), Canada in (Puebla), Morelos, Vera Cruz III O.B.
1800	Mar. 20-21	China (Chihli), Luan, Changli in Yungping Fu I Ho.
1800	Oct. 17	France, Eaux-Chaudes and some other places in the Valley of Ossau in the Pyrenees I M.
1800	Dec. 29	Italy, Valletti in (Latium) I B.
1801	Jan. 1	Chile, La Serena III Mon.
1801	July	Sweden, Eskilstuna in Södermannland II M.
1801	Oct. 5	Mexico, Oaxaca III O.B.
1801	Oct. 8	Italy, Bologna I B.
Beginning of December		Austria, Laibach in Carniola and Eger I M.
1801-2		Italy, Bardi in Piacenza I B.
1802	Jan. 17	Spain, Torre de la Mata and Torrevieja I M.
1802	Feb.-Mar.	China (Yunnan), Yunnan, Langchüang in Tali Fu III Ho.
1802	May 12	Italy, Soncino, Gallignano, Romanengo and other towns in Brescia III B.
1802	Aug. 15	Venezuela, Cumana II P.
1802	Oct. 26	Austria, Hungary, Russia, and Turkey, Bucharest, Constantinople (Pera), Transylvania, Wallachia, Moldavia, Hermannstadt, Temeswar, Lemberg, Kief, Aral, Tula, Moscow and St. Petersburg II M. M. & O. give III
1802	Nov.-Dec.	China (Shantung), Chucheng in Chingchou Fu ; (Kiangsi) Yutu, Kanchou Fu I Ho.
1802	Nov. 7	At and around Algiers, Blidah II M.
1802	Nov. 8	Germany, Strasburg and Weissemburg I M.
1802	Nov. 26	Turkey, Constantinople, Galata and Pera I M.
1802	Dec. 28	Japan (Sado) ; sea waves III Mi.
1802		Aleutian Island II M. & O.
1803		Ecuador, New-Riobamba III R.S.

A.D.			
1803	Jan. 8	Poland, Bielostok, Grodno	I M.
1803	Feb. 2	France, Marseilles	I M.
1803	April 25	Japan, Tokio	I O.
1803	Sept. 1	India, Calcutta, Barahal, Badrinath	III OI.
1803	Oct. 29	Caucasia, Tiflis	I M.
1804	Feb.	Austria, Styria	I M.
1804	June 8	Greece, St. Maura, Zante, <i>Patras</i> in the Morea	II M.
1804	July 7	Japan (Ugo), Shonai	III Mi.
1804	Aug. 25	Spain (Granada), Almeira and the surrounding district of Malaga and Cartagena, <i>Castel del Popolo</i> , or Castillo, <i>Enix</i> , <i>Dalias</i> and <i>Roquetas</i>	II M.
1804	Sept. 16	Spain (Granada)	I M.
1804	Oct. 11	Caucasia, Tiflis	I M. & O.
1804	Oct. 18	Italy, Val d'Elsa in Siena	I B.
1805	Mar. 21	Austria, Innsbruck	I M.
1805	July 16	Colombia, Honda, Magdalenenstromes	II O.D. R.S. gives III
1805	July 3	Greece, Island of Candia	II B.
1805	July 26	Italy, Frosolone, Boiano, Vincigliatura and throughout (Molise) and as far as Salerno and Naples	III B.
1805	Aug.	China (Chihli), Luan in Yungping Fu; (Honan), Chiyuan in Huaiching Fu	I Ho.
1805	Oct. 13	Italy, Nola, S. Maria di C. V. (Caserta)	I B.
1806	Jan. 2-3	China (Kiangsi), Fengcheng in Nanchang Fu, Chian Fu, Huichang in Kanchou Fu	II Ho.
1806	Feb. 12	Italy, Novellara, Correggio, etc. (Emilia)	I B.
1806	Mar. 24	Midnight, U.S.A., California, Santa Barbara	I F.R.
1806	Mar. 25-Apl. 3	Mexico, Zapotlan in Jalisco, <i>Colima</i> , Oaxaca, Michoacan, and the east	III O.B.
1806	Mar. & Nov.	Formosa, Shoka	I H.
1806	April 9-10	Italy, Reggio and other places in (Calabria)	I B.
1806	April 22	Siberia, Irkutsk	I M. & O.
1806	June 19	Italy, coast of Nice	I B.
1806	July 21	Italy, Montecassino (Caserta)	I B.
1806	Aug. 8	Russia, Krasnoyarsk	III M. & O.
1806	Aug. 26	Italy, Frascati, Genzano, Nanni, Velletri in the hills of (Latium)	II B.
1806	Nov.-Dec.	China (Kiangsi), Fuchou Fu, Kanchou Fu	I Ho.
1806	Nov. 1	Spain, Granada	II M.
1806	Dec. 1	Salvador, San Salvador	III Mon.
1807	Jan. 22	Peru, Lima	I H.J.
1807	Mar. 30	China (Kansu), Chenyuan in Chingchou	I Ho.
1807	Nov. 10	France, in the Northern part of the Puy-de-Dôme	I M.
1807	Nov. 18	Italy, Tramutola, Saponara (Basilicata)	I B.
1808	Feb.	Algiers	II M.
1808	April 2	Mexico, Acapulco (Guerrero)	II O.B.
1808	April 13	Italy, Valli del Pellice and Chisone in Turin	III B.
1808	April 14 & 16	India, Calcutta, <i>Chandernagore</i>	I OI.
1808	May 17	France and Switzerland, La Tour and Lucerne	I M.
1808	Aug. 1	Italy, Briquerasque or Bricherasio	I M.
1808	Oct. 26	U.S.A., San Francisco, Upper California	III O.B.
1809	Mar. 10	Italy, Leghorn	I B.
1809	April 5	Russia, Viatka and district	I M. & O.
1809	April	Japan (Shinano)	II Mi.
1809	May 3	Formosa, Shoka	I H.
1809	July 30	Greece, Island of Corfu	I M.
1809	Aug. 7 & 8	China (Fukien), Hsinghua Fu	III Ho.
1809	Aug. 14	China (Fukien), Hsinghua Fu	III Ho. See above.
1809	Aug. 25	Italy, Aquila in the Abruzzi	I B.
1809	Winter	Italy, Macerata (Marches)	II B.
1809	Jan. 14	Italy, Rome, Montecompatri (Latium)	I B.
1810	Feb. 4	India (Gurhwal)	I OI.
1810	Feb. 16	Hungary, Stuhlweissenburg, the centre was apparently <i>Mt. Csoka</i>	II M.
1810	Mar. 20 or 25	Japan (Sado)	II Mi.
1810	April 14	Greece, Island of <i>Candia</i> ; 2,000 lives lost	III M.
1810	Aug. 11	Canary Island and Island of Teneriffe	III M.
		Hungary, Mur	II M.
		Azores, St. Miguel in St. Michaels, <i>Las Casas</i> ; shocks until Jan. 1811	III M.

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1810	Dec. 25	Italy, Novellara and other places in (Emilia) I B.
1810		Formosa, Tamsui I H.
1811		Greece, Zante I P.
1811	Feb. 18	Italy, Rome I B.
1811	Mar. 18	China (Fukien), Hsinghua III Ho. See 1809, July 30 and Aug. 7.
1811	May 30-Aug. 11	China (Shantung), Wenteng in Tengchou Fu II Ho.
1811	July 15	Italy, Appennines of (Modena) I B.
1811	Oct. 4	Austria, Styria, Carinthia, Krieglaich in the Mürz I Ra.
1811	Oct. 5	Philippines, S.E. Luzon (Camarines and Albay), Nueva Caceres, Albay III S.M.
1811	Dec. 16	U.S.A. (Mississippi, Ohio, Arkansas, Tennessee, Kentucky, Missouri, Indiana, Virginia, N. and S. Carolina, Georgia and Florida), <i>Vincennes, Cincinnati, Nashville, New Madrid</i> , Cairo II M. F.R. gives III The earthquake continued until 1813.
1812	Mar. 19	France, <i>Beaumont, Vaucluse, Avignon, Apt and Marseilles</i> II M.
1812	Mar. 22	Italy, Rome I B.
1812	Mar. 26	Venezuela and Colombia, Caraceas and the surrounding country, Varinas, Maracaibo, particularly in the high mountains of Mérida, Carthagena and in the Andes III M. & O.D.
1812	May. 1	South Wales, also Gloucester, Neath I M. & W.
1812	May 2	France, Nantes and a large part of Loire Inférieure I M.
1812	May 13	Germany, Zulpich near Cologne I M.
1812	May	U.S.A., Southern California I F.R.
1812	July 17	Germany, Kandern and Müllheim, in the Upper Breisgau I M.
1812	Sept. 11	Italy, Poppiano, S. Quirico and neighbourhood (Florence) I B.
1812	Sept. 15	Italy, Ischia and Naples I C.V.
1812	Oct. 8	U.S.A. (California), Santa Barbara, San Juan Capistrano II to III F.R.
1812	Oct. 21	U.S.A., California, San Juan Capistrano II F.R.
1812	Oct. 25	Italy, Treviso I B.
1812	Nov. 11	West Indies, Jamaica, Kingston II M.
1812	Dec. 7	Japan, Tokio, Kanagawa III Mi.
1812	Dec. 8	U.S.A., California, San Diego to Purisima I F.R.
1812	Dec. 21	U.S.A. (Alaska), Atka III F.R.
1813	Feb. 1 & 2	U.S.A., California, San Fernando I F.R.
1813	May 30	Roumania, Bucharest in Wallachia I M.
1813	Sept. 21	Peru, Ica and Arequipa I Mon. H.J. gives II
1813	Sept. to Oct.	Italy, <i>Faenza, Forli and Imola (Emilia)</i> I B.
1813		China (Kuangtung), Hsinhui, Hsiangshan in Kuangzhou Fu I Ho.
1813 or 1815		U.S.A., California, Santa Clara Valley ? II F.R.
1813	Dec.	Greece, Epirus, Janina to Corfu, <i>Sorachovitzas</i> II M.
1814	Jan. 12	China (Kansu), Chanyuan in Chingchou I Ho.
1814	Feb. 1	Peru, Piura I H.J.
1814	Feb. 2	Philippines, S.E. Luzon (Albay) I S.M.
1814	April 3	Italy, Leghorn and Pisa I B.
1814	April 28	Austria, Innsbruck I M.
1814	June to July	China (Yunnan), Yun in Shunning Fu I Ho.
1814	Sept. 3	Siberia, Irkutsk, <i>Tunkinsk Fort</i> and surrounding villages III M. & O.
1814	Nov. 6	France, Lyons and from Macon to Vienne II M.
1814	Nov. 24	China (Fukien), Hsinghua III Ho.
1814	Dec. 17	Siberia, Irkutsk and felt as far as <i>Troitskosark</i> , 346 miles distant I M. & O.
1815	Jan. 2	Japan (Kaga) III O.
1815	May 3	Mexico (Oaxaca), Mexico State, Puebla and Vera Cruz II O.B.
1815	July	Formosa, Giran III H.
1815	Aug.	Italy, Pistoia I B.
1815	Aug. 5-6	China (Chihli), Tungkuang, Hoehien Fu I Ho.
1815	Oct. 14	China (Fukien), Futing in Fuchou Fu III Ho.
1815	Oct. 14	Formosa, Tamsui II H.
1815	Oct. 21	China (Shensi), <i>Chishan</i> in Fenghsiang, Fuping in Hsian Fu; (Honan), Hsiuwu in Huaichang Fu III Ho.

A.D.			
1815	Oct. to Nov.	China (Kansu), Chenyuan in Chingehou	I Ho.
1815	Nov. 16	China (Honan), Shenchou and other places	III Pa.
		See above.	
1816	May 26	India, Gungootri, Upper Valley of Ganges	I Ol.
1816	Aug. 13	Scotland, Inverness	I M. & W.
1816		Formosa, Giran	II H.
1817	Jan.	Italy, Sciacca (Girgenti)	I B.
1817	Mar. 18	N. Spain, Santander to Tarragona, <i>Rioxa</i> (Castille), Vis- caya (Arragon, Catalonia), <i>Arnedo</i> , <i>Arnedillo</i> and <i>Logrono</i>	II M.
1817	April	China, Changli on the borders of Szechuan ; 11,000 houses destroyed	III M.
1817	April 4	Mexico, Oaxaca, Tlaxcala, Canada, Puebla and Vera Cruz	I O.B.
1817	Oct. 5	U.S.A., Massachusetts, Woburn	I F.R.
1818	Feb. 20	Italy, <i>Aciconsolazone</i> , Aci Platani and throughout (Catania)	III B.
1818	Feb. 23	Italy, Nice, Portomaurizio, and Western (Liguria)	I B.
1818	Feb. 23	France, Marseilles, Draguignan, Orelle in Savoy, Antibes and Vence	II M.
1818	Feb. 28	Italy, Val di Noto (Messina)	I B.
1818	May 31	Mexico, Mexico and eastwards to Vera Cruz, Morelos, Guerrero, Jalisco	II O.B.
1818	Sept. 8	Italy, Petralia, Polizzi, and other places in the mountains of Le Madoine (Palermo)	II B.
1818	Nov. 20	West Indies, Cap Henri in St. Domingo	II M.
1818	Dec. 9	Italy, Parma, Reggio (Emilia), Modena, etc.	I B.
1818	Jan. 8	Philippines, N.W. Mindanao, Dipitan	I S.M.
1819	Jan. 29	Italy, Port Mourizio, San Remo, and elsewhere in Western (Liguria)	I B.
1819	Mar. 12	Caucasia, Tiflis	I M. & O.
1819	Mar.	Mexico, <i>Orizaba</i> in Vera Cruz, Puebla	I O.B.
1819	April 3, 4, & 11	Morocco, Oran and Mascara	II M.
1819	May 3	Chile, Copiapo	III M. & Mon.
1819	May 26	Mexico, Oaxaca	II O.B.
1819	June 16	Italy, Corneto (Latium)	I B.
1819		India, Cutch and other parts of N. India, <i>Ahmedabad</i> , Poonah, and in <i>Bhooj</i> 2,000 perished	III M. & Ol.
1819	Aug. 2	Japan, Kioto ; (Ise, Mino)	III Mi.
1819	Aug. 31	Norway, especially at Saltdal and (Helgeland, Norland), <i>Hemnaes</i> , at Frosten and Drontheim	I M.
	Nov. 29 to		
1819	Dec. 3	China (Shantung), Huang in Tengzhou Fu	II Ho.
1820	Jan.	Hungary, Mur	I M.
1820	Feb. 21	Greece, St. Maura	II M.
1820	Mar. 7	Siberia, Irkutsk and around the <i>Turansk</i> frontier post	I M. & O.
1820	May 4	Mexico, Acapulco, also <i>Chilapa</i> , <i>Mochitlan</i> , and other places in Guerrero, Oaxaca, Puebla, and Vera Cruz ; origin coast of Acapulco and S. Marcos	III O.B. & B.O.
1820	Oct. 19	Honduras, Omoa, <i>St. Pedro</i>	II M.
1820	Dec. 29	Greece, Morea and Ionian Isles, especially in Zante	II M.
1820	Dec. 29	Chile, Coquimbo	II M.
1821	Jan. 6	Greece, Zante, <i>Lala</i> in the Morea ; sea waves	III M.
1821	Jan. 18	Chile, Valparaiso	I Mon.
1821	Feb. 12	China (Chihli), Paoan in Hsuanhua	I Ho. Also on Mar. 13 and Aug. 5.
1821	Mar. 21	Italy, Rieti (Umbria)	I B.
1821	May 13	Mexico, Oaxaca, Puebla, Vera Cruz	I O.B.
1821	July 10	5h. 42m., G.M.T. Peru, Arequipa, Camana	III H.J. & Mon.
	Aug. 2 &		
1821	Sept. 12	Italy, Catanzaro, Nicastro (Calabria)	II B.
1821	Sept. 17	Moldavia, Jassy	I M.
1821	Nov. 17	Russia, Kief, Nikolaief, <i>Jassy</i> in Moldavia, Tiflis in Georgia	I M.
1821	Nov. 22	Italy, Adriatic coast from Gargano to Termoli (Apulia)	II B.

A.D.		
1821	Dec. 13	Formosa, Unrin I H.
1821		Japan (Izu) III O.
1822	Jan. to Feb.	China (Kiangsi), Kuanghsin Fu, Huchang in Kanchou Fu I Ho.
1822	Jan. 29	India, Madras, Chittore, Vellore I Ol.
1822	Feb. 7	Japan, Oshiu, Tokio III Mi.
1822	Feb. 19	Italy, Chambery (Savoy) I B.
1822	April 6-10	Italy, Nicosia and neighbourhood (Catania) I B.
1822	May 7	Costa Rica, Carthago III M. & O.D.
1822	June 21	China (Fukien), Hsinghua III Ho.
1822	July 14	Italy, Belvedere, Umbriatico, Cotrone in Catanzaro I B.
1822	July 29	Spain, Granada I M.
1822	Aug. 13	Asia Minor, Aleppo, <i>Antioch</i> , <i>Latakia</i> , and <i>Djestr-Darjua</i> , Beyrouth, Alexandria III M.
1822	Sept. 5	Asia Minor, Aleppo, Damascus, and the Island of Cyprus; altogether 20,000 lives were lost III M.
1822	Nov. 4 & 5	Chile, <i>Copiapó</i> and <i>Coquimbo</i> III M. & P. Mon. gives II
1822	Nov. 20 & 25	3h. 1m., G.M.T., 20th. Chile, Argentina, Concepcion, Mendoza, San Juan, <i>Valparaiso</i> , <i>Melipilla</i> , <i>Quillota</i> , <i>Mepel</i> , <i>Casabianca</i> , Santiago; earthquake extended from Copiapo to Valdivia 900 miles; coast elevated along a length of 100 miles; sea waves III M., P. & Mon.
1822	Dec. 1	West Indies, Island of Grenada I M.
1823	Jan. 10	Spain (Murcia and Valentia), Orihuela, Cartagena and Alicante II M.
1823	Feb.-Mar.	Formosa I Ho.
1823	Mar. 5	Italy, <i>Naso</i> , Palermo and North coast of Sicily III B.
1823	May 7	Central America, Panama, <i>Cartago</i> , Monkey Point, North of Greytown, Darien III Mon.
1823	June 19	Turkey, Souli? I M.
1823	Aug. 25	Asia Minor, <i>Scala-Nova</i> , West of Smyrna II M.
1823	Nov. 17	China (Fukien), Hsinghua Fu III Ho.
1824	Jan.	Philippines, E. Luzon, along eastern mountain range (Sierra Madre), and Southern Caraballo II S.M.
1824	Feb. 21	Greece, Ionian Island, Island of St. Maura I M.
1824	April 10	West Indies, Jamaica, Kingston I P.
1824	April 20	West Indies, Island of St. Thomas I M.
1824	June 23	Persia, <i>Shiraz</i> and <i>Kazrun</i> III M.
1824	July-Aug.	China (Kuangtung), Kuangchou Fu I Ho.
1824	Aug. 12	Italy, Selvapiana and neighbourhood (Romagna) I B.
1824	Sept. 29	Philippines, East part of S. Luzon (Tayabas, Rizal, Laguna and Nueva Ecija) III S.M.
1824	Oct. 26	Philippines, S. Luzon, Manila, and neighbouring provinces III S.M.
1824	Dec. 10-11	Italy, <i>Rossano</i> , Corigliano and Longobucco (Cosenza) II B.
1825	Jan. 18 & 21	Iceland, Reykjavik II Th.
1825	Jan. 19	Greece, Island of St. Maura, Ionian Isles and <i>Prevesa</i> in Albania III M.
1825	Jan. 24	Mexico, Oaxaca I O.B.
1825	Mar. 2	Algiers and the country lying towards the Canary Islands, <i>Blidah</i> III M.
1825	April	Philippines, Guam Island in the Ladrone Island II S.M.
1825	Sept. 20	West Indies, Trinidad II P. & O.D.
1825	October	Persia, <i>Shiraz</i> II M.
1825	Oct. 27	Italy, Isernia (Campobasso) I B.
1825	Dec. 5	China (Human), Changsha Fu, Linwu in Kueiyang, Hengchou Fu, Yungchou Fu II Ho.
1826	Jan. 26	Albania, Prevesa I M.
1826	Feb. 1	Italy, <i>Tito</i> , Sasso, Pietrafesa and elsewhere in the (Basilicata) II B.
1826	May 17	Spain, Granada I M.
1826	June 17	Colombia, Santa Fé-de-Bogota III M.
1826	Aug. 18	West Indies, Jamaica, Montego Bay I M.
1826	Sept. 18	West Indies, Cuba, Santiago II P.
1826	Oct. 26	Italy, Manduria (Lecce) I B.
1826	Oct. 29	India, Nepal, Katmandu, Patun II Ol.
1827	Jan. 16	China (Fukien), Hsinghua III Ho.

A.D.	Feb.-Mar.	China (Hupeh), Yunyang I Ho.
1827	April 11	Italy, Ischia I C.V.
1827	April 17	Austria, Croatia, Karlstadt I F.
1827	May	Siberia, Kirensk in Irkutsk Govt. and in Petropavlovsk village, 53 miles from Kirensk I M. & O.
1827	May 30	Peru, Lima II M.
1827	June 12	Mexico, Tehuacan II M.
1827	June	Behring Sea, Commander Islands III M. & O.
1827	June or July	Asia Minor, Tokat III M.
1827	Aug. 7	U.S.A. (Indiaua), New Albany on the Ohio I M.
1827	Sept.	Fornosa, Shoka I H.
1827	Before Sept. 26	India, Fort Kolitaran near Lahore ; 1,000 perished III M. & OI.
1827	Oct. 21-23	Caucasia, Tiflis, Stavropol I M. & O.
1827	Nov. 16	Colombia, Santa Fe-de-Bogota to Pasto, <i>Neiva, Popayan, Parace</i> , Valley of Magdalena, Bogota III M. & O.D.
1827	Nov. 30	West Indies, Islands of <i>Martinique</i> , Guadeloupe, Marie Galante, Antigua, St. Domingo II M.
1827	Dec. 13	Portugal, Lisbon I M.
1828	Feb. 2	Italy, Island of Ischia II B.
1828	Feb. 4	Mexico (Tabasco), and <i>Villa Hormosa</i> III M.
1828	Feb. 19	Iceland, <i>Fjotshlid</i> and <i>Landeyjar</i> ; many farms fell II Th.
1828	Mar. 7-19	Siberia, Irkutsk, Troitskosavsk, Kiakhta, Turansk frontier post III M. & O.
1828	Mar. 12	Italy, Palmi (Reggio di Calabria) I B.
1828	March	Mexico, Tacotalpa (Tabasco) I O.B.
1828	Mar. 30	Peru, Arequipa, Huanuco, Truxillo, <i>Lima, Callao</i> II M. & H.J.
1828	April	Italy, Meldola, Galcata, Bertinoro (Romagna) I B.
1828	April 11 or 14	Italy, Urbino I B.
1828	May 18	Italy, Marsala (Trapani) I B.
1828	June 6	India, Cashmire ; 1,000 killed III OI.
1828	June 15	Asia Minor, Smyrna I M.
1828	Aug. 9	Caucasia, Shusha, <i>Alt-Shemaka, Mugaly</i> III M. M. & O. give Aug. 14.
1828	Aug.-Sept.	China (Chihli), Wuchiao, Tungkuang in Hochien Fu I Ho.
1828	Sept. 14 & 15	Spain (Murcia, Valencia), <i>Lorca, Orihuela, Torrevieja, La Mata, Guardamar</i> II M.
1828	Oct. 1	Canary Islands, Island of Gran-Canaria I M.
1828	Oct. 5-8	Italy, Forli (Emilia) I B.
1828	Oct. 9	Italy (Voghera and Bobbio), north of Genoa II B.
1828	Oct. 29	India, Nepal, <i>Katmandu, Patna</i> II M.
1828	Nov. 9	10h. 30m., G.M.T., Philippines, S. Luzon, Manila and neighbouring provinces II S.M.
1828	Nov. 16	6.30 p.m., Colombia, Bogota, Pasto, Popayan III O.D.
1828	Dec. 18	Japan (Echigo) ; sea waves at Kiushu III Mi.
1828	Dec. 29	Celebes, Macassar, <i>Boelekomba</i> with sea waves II M.
1829	May-June	Italy, Albano and other places in (Latium) I B.
1829	Feb. 21	Throughout the South of Iceland and near <i>Hecla</i> II M. & Th.
1829	Mar. 8	Siberia, Irkutsk from Kiachta to Nizhni-Udinsk, Troitskosarsk I M.
1829	Mar. 21	Spain (Murcia, Valencia), Valley of the Segura, Guardamar, <i>La Mata, Torrevieja</i> III M.
1829	May 5	Turkey, coast of Macedonia and Thrace, <i>Salonica</i> to Constantinople, <i>Drama, Kawala</i> and <i>Seres</i> III M.
1829	May 23	Turkey, Constantinople and Scutari I M.
1829	Aug. 4	Hungary, especially at <i>Nagy-Karoly, Endred, Denegeley, Zriny</i> and <i>Portelek</i> II M.
1829	Sept. 6	Italy, Cremona I B.
1829	Sept. 26	19h. 12m., G.M.T., Chile, <i>Valparaiso, Santiago</i> , and <i>Casa Blanca</i> I P. & Mon. M. gives Oct. 26.
1829	Oct. 1	Chile, Santiago I Mon.
1829	Nov. 18	China (Anhui), <i>Wuho</i> in Ssouchou ; (Shantung), Chining ; (Kiangsu), Shuchou Fu III Ho.
1829	Nov. 19	China (Shantung), <i>Linchu</i> in Chingchou Fu, Tengchou Fu, Laichou Fu ; (Chihli), Tiensin III Ho.

A.D.		
1829	Nov. 24	China (Shantung), Changching in Chinan Fu III Ho.
1829	Nov. 26	S.W. Russia, Roumania, from Transylvania to Kief, Bucharest, <i>Kishinev</i> , <i>Reni</i> , <i>Titopol</i> and <i>Cherson</i> III M.
1829	Nov. 30	Siberia, Barnaul and Suzun Smelting Works I M. & O.
1830	Jan. 18	9h., G.M.T. Philippines, S. Luzon (Rizal, Tayabas, Laguna, Cavite, Batangas), <i>Manila</i> III S.M.
1830	Jan.	Mexico, Oaxaca, Canada, and Mixteca I O.B.
1830	Mar. 9	Caucasia, Kizlar on the Terek, Mozdak, Ekaterinodar, and still more violently in the village of <i>Andreev</i> , also felt at Tiflis, Fort Bournoi, <i>Tarki</i> III M. also M. & O.
1830	April 12	Guatemala, the villages of <i>Amatitlan</i> , <i>Pinula</i> and <i>Petassa</i> or <i>Petapa</i> III M.
1830	April 14	West Indies, St. Domingo I P.
1830	April 23	Guatemala III M. Continuation of April 12.
1830	May 9	Persia, Teheran I M.
1830	May 12-22	China (Chihli), Paoting Fu, Shunte Fu, Tiensin Fu; (Shantung), Chinan II Ho.
1830	May-June	China (Kiangsu), Hsuchou Fu; (Chihli), Paoting Fu I Ho.
1830	June 1	China (Chihli), Chengting Fu III Ho.
1830	June 8	Austria, Styria, Semmering I Ra.
1830	June 12, also June 16 & July 29	China (Chihli), Hokien Fu, Kaichou in Taming Fu; (Honan), Nanyang Fu; also (Shantung, Anhui, and Kiangsu) III Ho. See entries from May 12.
1830	June 25	Caucasia, Unezapnaya, 48°10N. 46°40E. II M. & O.
1830	June 26	Austria, Styria, Mürztal, Leoben, Bruck, Graz I Ra.
1830	July 1	Hungary, Huszt, Maramarosch Sziget and the mines of Sugatagh and Slatina I M.
1830	Aug. 19	Japan, Kioto III Mi.
1830	Dec. 4	Russia, Anapa and Taman Peninsula I M. & O.
1830	Dec. 31	India, Chittagong I Ol.
1831	Jan. 2	Italy, Lagonegro, Lauria in the (Basilicata) II B.
1831	Jan.-Feb.	Italy, Milazzo (Messina) I B.
1831	Feb. 23 & 27	China (Chihli), Paoan in Hsuanhua Fu I Ho.
1831	May 19	Siberia, <i>Turkinsk</i> mineral springs, near Lake Baikal I M. & O.
1831	May 26	Italy, Castellare, S. Remo and elsewhere on the coast of (Liguria) II B.
1831	June-July	Italy, Sciacca (Girgenti) II B.
1831	Aug. 11	West Indies, Bridgetown in Barbadoes and in Jamaica, especially at Antigua, St. Vincent, Dominica, Guadeloupe and Barbadoes; also hurricane III M. & P.
1831	Sept.-Oct.	China (Kiangsu), Kiangning Fu, Hsuchou Fu, Chenchiang; (Anhui), Ssuchou II Ho.
1831	Sept. 11	Italy, <i>Reggio</i> (Emilia), Parma and Modena I B.
1831	Oct. 9	2h. 16m., G.M.T. Peru, Arica, Arequipa II H.J. & Mon.
1831	Nov. 13	Japan, Kioto; (Hizen) II Mi.
1831	Dec. 3	West Indies, Trinidad, St. Christopher II P.
1831-32	Oct.-Feb.	Italy, <i>Foligno</i> and other towns in (Perugia) II B.
1831		India, Peshawar and Valley of Indus I Ol.
1832	Jan. 22	Central Asia, Bokhara, Kokand, Badakshan and Upper Oxus III M. & O.
1832	Feb. 21	Italy, Pozzuoli and neighbourhood of Naples I B.
1832	Feb. 21	N.W. India, Lahore, Valley of Badakshan III Ol.
1832	Mar. 8	Italy, Valley of the <i>Tacina</i> and other parts of Cotrone and adjacent parts of (Calabria) III B.
1832	Mar. 13	Italy, <i>Reggio</i> (Emilia), Modena, Parma II B.
1832	Nov. 24	Italy, Nicolosi, Belpasso, Milo and near Etna II B.
1832	Nov.	Formosa, Giran III H.
1833	Jan. 19	Italy, Monteparano (Lecce) I B.
1833		West Indies, Antigua, St. Kitts II O.D.
1833	April 25	15h. 16m., G.M.T. Chile (Coquimbo), Huasco II Mon. & P.
1833	Aug. 26	India, Nepal, Calcutta, Agra, Lucknow, Tirhoot, Purneah, Patna, Buxar, Allahabad, Monghyr, <i>Katmandu</i> and Lhasa III M. & Ol.

A.D.		
1833	Sept. 6	China (Yunnan), <i>Yunnan Fu, Linan Fu, Chengchiang Fu, Chuching Fu</i> and all (Yunnan); it continued Nov. to Dec. III Ho.
1833	Sept. 18	10h. 31m., G.M.T. Peru and Chile, Arequipa, Arica and Tacna II Mon. & H.J.
1833	Dec. 4	Mexico, Oaxaca, Vera Cruz, Puebla and Guerrero I O.B.
1833	Dec. 7	Japan (Sado); sea waves II O.
1833	Dec.	Formosa II H.
1834	Jan. 22	Peru, past St. Marthe III P.
1834	Feb. 14	Italy, Pontremoli, <i>Alberelo</i> and elsewhere in (Massa) II B.
1834	Feb.	Russia, Anapa, Bugas and shore of Abasia I M. & O.
1834	Feb.	Japan, Yezo (Ishikari) III Mi.
1834	May	Philippines, Guam Island in the Ladrones III S.M.
1834	May 16	Japan (Suruga, Kai) II Mi.
1834	May 23	Asia Minor, Palestine, Jerusalem I M.
1834	June 18	Greece, Island of Céphalonie II M.
1834	July 10-22	China (Honan), Changte Fu, especially in the district of Wungang, westwards to (Shansi), northwards to (Chihi), and east to (Shantung) III M. & O. O. gives June 28 to July 19; not in list by Ho.
1834	July	Chile, Ica, no details ? I Mon.
1834	Oct. 4	Italy, Bologna I B.
1835	Jan. 6	Mexico, <i>Acapulco</i> III M. Not given by Bo. or O.B.
1835	Feb. 6	Italy, <i>Vicchio</i> , Mugello (Tuscany) I B.
1835	Feb. 20	16h. 26m., G.M.T. Chile, Santiago, <i>Concepcion, Talcahuano</i> and <i>Chillan</i> ; the earthquake was felt from Copiapo to Chiloe, and from Juan Fernandez to Mendoza; sea waves III M., Mon. & P.
1835	Feb. 26	Colombia, Venezuela, Haiti III O.D.
1835	Mar. 23	Italy, Boves (Cuneo) I B.
1835	April 14	Behring Sea, Pribylof Islands III M. & O.
1835	April 21	Russia, Bessarabia and Bucharest I M. & O.
1835	July 20	Russia (Livonia), Lemberg I M. & O.
1835	Aug. 19	Japan (Mutsu, Memuro); sea waves III O.
1835	Aug. 23	Asia Minor, <i>Kaisarich</i> and the surrounding country, <i>Kumetri</i> III M.
1835	Oct. 12	Italy, <i>Castiglione</i> , S. Pietro in Guarano, Zumpano and other places in (Cosenza) III B.
1836	Jan. 5	Philippines, Mindanao Islands, <i>Illana Bay</i> (Zamboanga, Cotabato) I S.M.
1836	Jan. 24	India, Chandernagore, Sook-Sagur, also Kabul I Ol.
1836	April 2	U.S.A., Alaska, Pribyloff Islands III F.R.
1836	April 24	Italy, <i>Rossano</i> , Crosio, Cropolate and other places in (Cosenza) III B.
1836	May 3-4	Italy, Reggio (Calabria) I B.
1836	June 12	Italy, Liedolo, Fonte, S. Ilaria, Asolo (Venetia) II B.
1836	July 3, June ?	13h. 16m., G.M.T. Chile, Cobija; sea waves I Mon.
1836	July 8	Italy, Craco (Basilicata) I B.
1836	Aug.	U.S.A., Alaska, Pribyloff Islands III F.R.
1836	Aug. 30	Mexico, Oaxaca I O.B.
1836	Nov. 20	Italy, Lagonegro (Basilicata), Montesano in (Salerno) and other places II B.
1837	Jan. 1	Asia Minor, Syria, from Beyrout, <i>Damascus</i> to <i>Sahpit, Jaffa, Acre, Tiberias, Rani</i> near Cana III M.
1837	Mar. 14	Austria, Styria, Semmering in Mürz, Reichman, Ebriechsdorf I Ra.
1837	Mar. 18	Greece, <i>Hydra, Spezia, Paros</i> , and Santorin, the centre was at Methana II M.
1837	April 11	Italy, <i>Uglian Caldo</i> , Argigliano, Montefiore and other places in the Alpi Apriane (Tuscany) II B.
1837	April-May	Italy, <i>Villa</i> , S. Germano, Montecassino (Caserta) I B.
1837	Aug. 2	West Indies, St. Thomas I O.D. & P.
1837	Sept. 6	West Indies, Barbadoes I P.
1837	Nov. 7	12h. 51m., G.M.T. Chile, <i>Valdivia</i> III M.
1837	Nov. 22	Mexico, <i>Acapulco</i> (Mexico), <i>Oaxaca</i> , Puebla, Tlaxcala, Vera Cruz, Queretaro, San Luis Potosi, Michoacan, Jalisco, Colima, Guerrero III O.B. Bo. gives I
1838	Jan. 23	S.W. Russia (Wallachia, Moldavia, Transylvania, Hungary) and Balkan Peninsula III M. & O.

A.D.

1838	Feb. 14	Italy, Foligno, Spoleto and neighbourhood in (Umbria) I B.
1838	Mar. 17	England, Shrewsbury I M.
1838	May 22	France, Meandre in the Isère I M.
1838	June 11 & 12	Iceland, north coast, Hunaflooi, Skajalfandi, Southland, Eyrarbakki III Th.
1838	June 23	Italy, Pessaro (Marches) I B.
1838-9		Italy, S. Jean de Maurienne and other places in the Valley of the Arc (Savoy) I B.
1839	Jan. to Feb.	China (Yunnan), Tengchuan in Tali Fu, Langchiung III Ho.
1839	Feb. to Mar.	China (Kiangsi), Pengtsa in Chiuchiang Fu I Ho.
1839	Jan. 11	West Indies, Island of Martinique, also in Guadeloupe and St. Lucia II M. & O.D.
1839	Jan. 17	Turkey, Salonica I M.
1839	Jan. 21	West Indies, St. Lucia, Martinique I P.
1839	Mar. 22	Salvador, San Salvador III Mon.
1839	Mar. 23	India (Burmah), Amarapoora, Ava III Ol.
1839	June 10	Peru, Ica I H.J.
1839	June 28 & 29	Russia, Village of Fedorovka, Saratof Government II M. & O.
1839	Aug. 11 & 16	France, Annecy in (Savoy) I M.
1839	Aug. 18	Siberia, Irkutsk and along the Selenga River III M. & O.
1839	Aug. 27 & in 1840	Italy, Reggio (Calabria) I B.
1839	Oct. 1-10	Salvador, San Salvador II Mon.
1839	Oct. 12	China (Kiangsu), Changzhou Fu; (Chehkiang), Chiahsing Fu I Ho.
1839	Oct. 23	Scotland, Comrie, Perthshire I M. & W.
1839	Oct. 29	China (Chehkiang), Huchou Fu; (Kiangsu), Chentse in Suchou Fu, Chingpu in Sungchiang Fu, Chenchiang Fu II Ho.
1840	Jan. 5	France, in the Pyrenees I M.
1840	May to June	China (Chehkiang), Wuning in Nanchang Fu; (Hupeh), Kuangchi in Huachou Fu I Ho.
1840	June 20-28	Armenia, the whole district of Mount Ararat II M.
1840	July 2	Armenia, Depts. of Surmala, Sharum 39°45N. 45°E. and Nakhichevan 39°12N. 45°26E., Talysh, Ordubat district III M. & O.
1840	July 6 & 8	Armenia, district of Mount Ararat III M.
1840	July 27	Armenia, Ararat and Shahriar III M. & O. See July 2. This and the three preceding entries may be components of one megaseism.
1840	Aug. 27	Austria, Karlstadt, Laibach, Agram I F.
1840	Oct. 28	Greece, Island of Zante, Skulikado III M.
1840	Nov. 29	Armenia, Nakhichevan and the neighbouring districts, more violent in Shahriar II M.
1840	Nov.	Formosa, Unrin III H.
1840		Philippines, S.E. Luzon (Sorsogon and Masbate) III S.M.
1841		Italy, Reggio (Calabria) II B.
1841	Feb. 10	Mexico, Isthmus of Tehuantepec, Oaxaca II O.B.
1841	Feb. 21-22	Italy, San Marco in Lamis and other places in (Foggia) II B.
1841	Mar. 6	Italy, Casamicciola (Ischia) I B.
1841	Mar. 20	Italy, Lipari Islands I B.
1841	April 3	Denmark (Jutland) and (Schleswig Holstein) II M.
1841	April 21	Scotland (Argyle), Oban I M. & W.
1841	April 30	Hungary, Sea of Marmora to Altendorf in Galicia, Menhard and Tatra I M.
1841	May 18	Armenia, Village of Kibrakh 39°24N. 45°9E., also in Nakhichevan III M. & O. M. gives May 5.
1841	May 18	Russia, Petropavlosk and Ostrowneje II M. & O.
1841	May	Japan (Suruga) II O.
1841	June 8-9	Italy, Torre Passeri in the (Abruzzi) I B.
1841	June 10	Italy, Taranta, Tarricelli, and Palena in (Chieti) II B.
1841	June 14 & 15	Azores, Island of Terceira II M.
1841	July 13	Austria, Vienna, more severe at Neustadt, slight at Gratz I M.
1841	July 30	Scotland (Perthshire) I M. & W.

A.D.			
1841	Sept. 2	6 a.m. local.	Costa Rica, Cartago, <i>Turodo</i> , <i>Tres-rios</i> , <i>Parosso</i> , <i>Ujaniès</i> , <i>Matina</i> , San Jose to Heredia and Alajuela; also strongly felt in the U.S.A. III O.D.
1841	Sept. 22	Armenia, Nakhichevan and neighbourhood	I M. & O.
1841	Oct. 15	Italy, Sanguinetto and neighbourhood in (Verona)	I B.
1841	Oct. 23	Hungary, Comorn	II M.
1841	Oct. 24	Germany, Cologne	I M.
1841	Dec. 2	France (Savoy), Chambéry	I B.
1841	Dec. 25	Armenia, Anapa, Nikolaeivsk and Vitaz	I M. & O.
1842	Jan. 2	Caucasia, Baku and neighbouring villages	III M. & O.
1842	Jan. 11	China (Kiangsu), Sungchiang Fu, Tanyung in Chenchiang Fu; (Chehikang), Chiahsing Fu	I Ho.
1842	Feb. 19	North-west India, Kabul, Jellalabad, Peshawar	III Ol.
1842	May 7	West Indies, St. Domingo, especially at Cape Haytien, also at Jainaica, Porto-Rico, and almost all the West Indian Isles	II M.
1842	Sept. 9	Hungary (Zala), Gross-Kanischa or Nagg-Kanisa	I M.
1842	Nov. to Dec.	China (Kiangsu), Tanyang in Chenchiang Fu; (Hunan), Liuyang in Changsha	I Ho.
1842	Dec. 4	Algiers	I M.
1843	Jan. 4	U.S.A., Illinois, Cairo	I D.
1843	Jan. 5-6	Sumatra, S.E. coast of Baros and Island of Nias; sea waves	II P.
1843	Feb. 8	West Indies, Guadeloupe, Pointe à Pitre, St. Lucia, St. Kitts, Antigua, Montserrat, Martinique	III F.R., O.D. & P.
1843	Mar. 28	France (Meurthe), Luéville	I P.
1843	April 1	India, Bombay, Sholapur in the (Deccan)	III Ol.
1843	April 6	Holland, Vechel	I P.
1843	April 25	Japan, Yezo (Kushiro, Nemuro), sea waves	III O.
1843	June 23	U.S.A., California	I P.
1843	July 25	Hungary, Temeswar	I P.
1843	Sept. 26	Italy, Ragusa	I P.
1843	Oct. 2	Russia (Bessarabia, Podolia), Balta, Sorok, Odessa	I M. & O.
1843	Oct. 18	Asia Minor, Karki near Rhodes	III P.
1843	Oct. 25-27	Italy, Barberino, Verino and other places near Mugello in (Tuscany)	I B.
1843	Oct. 26	Asia Minor, Erzeroum	II P.
1843	Dec. 17	21h. 56m. or 23h., 1m. G.M.T. Chile, La Serena	I Mon.
1844	Mar. 10	Italy, Forli	I B.
1844	May 12	Persia, Ispahan, Julpha, Azerbaijan and Irak	III P.
1844	May	Turkey, Angora, Osmandjik	II P.
1844	May	Nicaragua, Greytown	II Mon.
1844	June 3-4	France, Poitiers	I P.
1844	July 17	Italy, Palestrina (Latium)	I B.
1844	Aug.	Nicaragua, San Juan	II Mon. & P.
1844	Aug. 30	West Indies, St. Vincent, Grenada, British Guiana, Trinidad	II P.
1844	Sept. to Oct.	China (Yunnan), Chengchiang Fu	I Ho.
1844	Oct. 6	China (Shantung), Ninghai in Tengchou Fu	III Ho.
1844	Oct. 18	5h. 18m. G.M.T., Argentina, Jujui, Salta, Tucuman	III Mon.
1844	Dec. 2	China (Kiangsu), Chiangyin in Changchou Fu, Paoshan, Chiating in Taitsangchou, Sungchiang Fu; (Chekiang), Chiassing Fu	II Ho.
1844	Dec. 3	Norway, Kongsvinger, Eideskog	I P.
1844	Nov. 4	Hungary, Szigeth near Buda	I P.
1845	Feb. 8	Celebes, Menado	III P.
1845	Feb. 12	Abyssinia (Gondor) between Lake Tana and Damot Bay, 6-12°N. 33-36°E.	I P.
1845	Mar. 5	Java, Buitenzorg	I P.
1845	Mar. 9	Mexico, Oaxaca, Puebla, also Atlantic and Pacific coasts	III O.B.
1845	April 7	Mexico, Acapulco, Xochimilco in (Mexico), Puebla, Tlaxcalla, Vera Cruz, Queretaro, San Luis-Potosi, and in the West, Central coast of Acapulco or S. Marcos	III O.B., Bo. & P.
1845	April 19-25	India (Cutch), Lakhpat	I Ol.
1845	May 23	Spain (Teruel)	I P.

A.D.

1845	May 24	Russia, Akholtzikhe and district II M. & O.
1845	June 4	3h. 1m., G.M.T. Chile, Taena and Arica I Mon.
1845	June 19	India, Delta of the Indus, Lakhpat II P.
1845	July 10-11	Italy, Matera in the (Basilicata) I B.
1845	July 21-25	Moluccas, Amboina I P.
1845	Aug. 6	India (Assam), <i>Gouchatty, Sylhet, Serampore, Midnapore</i> I Ol.
	Sept. 2 to	
1845	May, 1847	Iceland, eruption of Hecla and many shocks I Th.
1845	Sept.	China (Kansu), Chenyuan in Chingchou I Ho.
1845	Oct. 7	Spain, Tivisa, Vandellos, Pratdip I P.
1845	Oct. 15	Greece, Prisia, Acras, Ayasso, Méteolin II P.
1845	Oct. 24	China (Kiangsu), Chingkiang in Changchou Fu III Ho.
1845	Dec. 17	West Indies, Guadeloupe, Pointe à Pitre I P.
1845	Dec. 19	Austria, Laibach I P.
1845	Dec. 21	Austria, Laibach in Carniola I B.
1846	Jan. 11	Armenia, Nakhichevan I M. & O.
1846	Jan. 25	Moluccas, Ternate with sea waves I P.
1846	Feb. 19	Colombia, River Madeleine and Rio Lagnilla I P.
1846	Mar. 14-15	Norway, Naiinstad near Christiana
1846	Mar. 28	Crete, Canéa, Candia II P.
1846	Mar. 28	Malta and Gozo and felt as far as Naples, destructive in Crete I B. & P.
1846	April 23	Russia, Javarisi or Dshwari, Kutais Government II M. & O.
1846	June 8-16	Greece, <i>Mitylene</i> , Kalamata, Nisi III P.
1846	June 21	Asia Minor, Smyrna II P.
1846	July 4	China (Chekiang), <i>Haiyen</i> , Pinghu in Chenhsing Fu ; (Kiangsu), Suchou Fu, Hsuehfu III Ho.
1846	July 29	Germany, Ems, Aix-la-Chapelle, Siegbourg, Bonn, Bop- part I P.
1846	Aug. 3	China (Shantung), <i>Ninghai, Huang</i> in Kengchou Fu ; (Kiangsu), Suchou Fu, Sungchiang Fu ; (Chekiang), Huehfu III Ho.
1846	Aug. 4	China (Kiangsu), <i>Chiating</i> , Paosan, Chungming in Taitsang- chou, Sungchiang Fu ; (Shantung), Chingehou Fu ; (Chekiang), Ningpo Fu III Ho.
1846	Aug. 5.	China (Kiangsu), <i>Sungchiang</i> , Nanhui in Sungchiang Fu. Severe shocks on Aug. 7, 10, 14, 18 and 27 III Ho.
1846	Aug. to Sept.	China (Kiangsu), <i>Yihsing, Chingchi</i> in Changchou Fu, Sungchiang Fu. Shocks until Dec. 29 III Ho.
1846	Aug. 7	Italy, Syracuse II B.
1846	Aug. 8-9	Italy, Campomaggiore, Craco and other places in the (Basilicata) I B.
1846	Aug. 12	Lueques ? I P.
1846	Aug. 14	Italy, Orciano, Luciana, Monte Scudaio and elsewhere in the Pisan Hills III B.
1846	Aug. 17	Switzerland, Lausanne, Yverdon I P.
1846	Aug. 18	Siberia, Irkutsk and Kirensk I M. & O.
1846	Sept. 13	West Indies, Trinidad, St. Domingo I P.
1846	Oct. 18	India, <i>Momansingh</i> , Calcutta, Serampore I Ol.
1846	Nov. 1	Algiers, Cherchell I P.
1846	Nov. 21	Algiers, Cherchell I P.
1846	Dec. 24	Java, Penggalengan I P.
1847	Jan. 19	Egypt, Cairo I O.D.
1847	Jan. 25	15h. 36m., G.M.T. Chile, Copiapo II P. Mon. gives I
1847	Feb. 8?	France, Vendée, Lucon I P.
1847	April 7	Chile, Copiapo II P.
1847	May	Germany, Nuremberg, Coburg, Eisfeld I P.
1847	May 8	Peru, Huancarama and Carabaya II P. & H.J.
1847	May 13	Japan (Shinano), <i>Zenkoji</i> ; (Echigo) III Mi.
1847	May 15 or 16	Siam, Chantabun I P.
1847	June 18	Russia, Kushwinsk, Verkhoturie, Nizhneturie and Bis- sersk mines and works in the Urals I M. & O.
1847	June 28	Algeria, Doucira, Koubah I P.
1847	July 24	Peru, Ica II P.
1847	July 28	China (Kiangsu), Taitsangchou, Sungchiang Fu ; (Cheh- kiang), Ningpo Fu I Ho.
1847	July 28	Spain, Seville, Jean, <i>Badajoz</i> I P.

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1847	July 31	Nicaragua, St. Jean III P.
1847	Aug. 7	Egypt, Cairo, Alexandria II P.
1847	Sept. 5	West Indies, Dominica II P.
1847	Sept. 11	Sweden, Helsingborg III P.
1847	Oct. 2	Mexico, Mexico and Ocollan, Guadalajara, Oaxaca, Puebla III P. & O.B.
1847	Oct. 8	16h. 46m., G.M.T., Chile, Liguai, Petorca, Valparaiso, Santiago, Coquimbo, Atacama and La Serena III P. & Mon.
1847	Oct. 17	Chile, Coquimbo, Illapel, Ligua I-II Mon.
1847	Oct. 23	Mexico, Atlixco III P. See Oct. 2.
1847	Oct. 31	N.W. Sumatra, between Great and Small Nicobars II P.
1847	Nov. 12	China (Kiangsu), Taitangchou, Suchou Fu, Sungchiang Fu; (Chehkiang), Ningpo Fu; (Kiangsi), Kanehou Fu II Ho.
1847	Nov. 16	Java and S.E. Sumatra, Chéribon (Palimanan, Rembang, Semarang and Lampung) III P.
1847	Dec. 20	Russia, Tiflis I P.
1847	Dec. 20	Portugal, Sabeserra II P.
1847	Dec. 27	Spain (Alava), Orduna and (Delica) I P.
1847	Dec.	Mexico, Colima, Zapotlan II P.
1847		U.S.A., Alaskan Coast, Sitka II F.R.
1848	Jan. 1	Nova Scotia, Lawrence Town I P.
1848	Jan. 1	West Indies, St. Lucia I P.
1848	Jan. 11	Italy, Augusta, Noto, Syracuse, Catania, etc. II B.
1848	Feb. 16	Java, Batavia, Semarang II P.
1848	Feb. 11	Morocco I P.
1848	March 1-2	Germany, Oppenheim I P.
1848	April 29	Morocco, Melilla I P.
1848	May 13	Siam, Chantabun I P.
1848	May 31	Mexico, Guadalajara in (Jalisco), Guerrero, Oaxaca, Mexico, Puebla II O.B.
1848	June	Italy, Montagnolo in (Siena) I B.
1848	July 5	Italy, Ventotene in Pontine Islands I B.
1848	July 19	Spain (Aragon), Torres I P.
1848	July 27 to	
1848	Aug. 7	Java, Bantam I P.
1848	Sept. 9	West Indies, St. Lucia I P.
1848	Sept. 24	Caucasia, Shemaka I P.
1848	Oct. 16-25	New Zealand, Wellington, Nelson, Wanganui, with sea waves II P. O.D. gives Oct. 17.
1848	Oct. 27	Central America, E. Nicaragua, also felt in Honduras and Salvador I P. & Mon.
1848		Formosa, Unrin III H.
1848	Dec. 31	Azores II P.
1848-50		Bolivia, Santa Cruz de la Sierra II Mon.
1849	Jan. 6	Italy, Mascheta and Casetta di Tiara in (Tuscany) I B.
1849	Jan. 24	Austria, Vienna I P.
1849	Jan. 25	6h. 56m., G.M.T. Philippines, Ladrones Islands, Guam Island, Bay of Ulmata, Agana III P. & S.M.
1849	Jan. 29	Siberia, Government of (Tobolsk) at Ishim I P.
1849	Feb. 25	Marianne Islands III P.
1849	April 9	Argentina, San Luis III Mon.
1849	May 3	Venezuela, Maracaibo I P.
1849	May 28	Moluccas, Island of Amboina, Island of Honimoa, Saparoea I P.
1849	June 12	Azores, Praya de Victoria II P.
1849	June or July	West Indies, St. Domingo I P.
1849	June 17	Chile, La Serena; sea waves I Mon.
1849	Aug. 20	Austria, Weiss-Passung, Glognitz, Wiesser I P.
1849	Oct. 22	U.S.A., Alaska, Commander Islands II-III P. & F.R.
1849	Nov. 28	Italy, Borgotaro (Parma) I B.
1849	Dec. 17	Chile, Coquimbo, Santiago and Valparaiso; sea waves I Mon.
1849		Philippines, S.W. Guam II F.R. Not in S.M.
1850	Jan. 1	Italy, Biancavilla and Belpasso (Catania) II B.
1850	Feb. 9	Algiers I P.
1850	April 3	Asia Minor, Smyrna, Nymphio I P.
1850	July 15	Austria (Bohemia), Elbogen, also Morea, Vostizza I P.
1850	Aug. 17	Sweden (Skaraborg), Werlingen, Danstrop I P.

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1850	Aug. 19	Austria (Dalmatia), Stagno, Piccolo I P.
1850	Sept. 18	Italy, Modena I B.
1850	Sept. 22	China (Sstchuan), Sichang III Pa.
1850	Oct. 7 & 8	Moluccas, Amboina I P.
1850	Nov. 8	Malta I B.
1850	Nov. 11	Italy, S. Nicandro (Aquila) I B.
1850	Nov. 20	France, Lourdes, St. Pé I P.
1850	Dec. 6	11h. 26m., G.M.T. Chile, <i>Santiago</i> , from Coquimbo to Talca, 310 miles II P. & Mon.
1850	Dec. 17	Algeria, Guehma, Bone I P.
1851	Feb. 2	Colombia, Carthagena II P.
1851	Feb. 5	Austria (Tyrol), Switzerland I P.
1851	Feb. 7	Colombia, Carthagena II P.
1851	Feb. 20-22	West Indies, Porto Rico I P.
1851	Feb. 25	Asia Minor (Anatolia, Trebisond), Samsun I P.
1851	Feb. 28	Asia Minor (Anatolia), Makri, <i>Rhodes</i> III P.
1851	Mar. 18	6.45 a.m., local, Costa Rica, San José, Heredia, Barba, <i>Alajuela</i> , <i>Cartago</i> and <i>Guanacasti</i> II P., O.D. & Mon.
1851	Mar. 24	West Indies, Costa Rica, Alajuela III P.
1851	April 2	11h. 27m., G.M.T. Chile, <i>Valparaiso</i> , <i>Casa Blanca</i> , on the road to <i>Sanitago</i> , extended north to <i>Copiapó</i> , Coquimbo and <i>Cobija</i> and south to <i>Concepcion</i> III P.
1851	April 11	Italy, Messina I B.
1851	April 13	Armenia, Nakhichevan I M. & O.
1851	April 13	Sweden, Gothenburg, Lysckil, and Laegeland I P.
1851	April 13	Austria (Herzegovina); Stagno, Piccolo I P.
1851	April 19	Baluchistan, Gwador I Ol.
1851	May 15	Spain, Majorca Island II P.
1851	May 16	West Indies, Guadeloupe, Basse-Terre I P.
1851	May 17	Guatemala (Quetzaltenango) III P.
1851	May 26	Chile, <i>Copiapó</i> , <i>Huasco</i> , <i>Vallenar</i> and <i>Freirana</i> with sea waves II P. & Mon.
1851	June 27	Austria, Salzburg, Reichenhall I P.
1851	July	Hungary, Comorn I P.
1851	July 30	Austria, Roveredo, Tione I P.
1851	Aug. 14	Italy, <i>Melfi</i> , <i>Rionero</i> , <i>Barile</i> , <i>Rapolla</i> in (Basilicata) III B.
1851	Aug. 24	Switzerland, Unterwald I P.
1851	Sept. 1	Austria, Stagno, Piccolo I P.
1851	Sept. 6 & 7	Italy (Apulia), Conosa I B.
1851	Oct. 12	Turkey in Europe, Albania, <i>Valona</i> , <i>Beratti</i> , <i>Elbassen</i> II P.
1851	Nov. 14	Honduras, <i>Tegucigalpa</i> II Mon.
1851	Nov. 28	Siberia, <i>Okhotsk</i> Dept. along coast of the sea of <i>Okhotsk</i> from the <i>Tauí</i> to the <i>Tuman</i> post, 470 miles II M. & O.
1851	Dec. 1	West Indies, Pointe-à-Pitre I P.
1851	Dec. 27	Russia, <i>Gelabuga</i> (Wjatka) I P.
1851-2	April to Jan.	Italy, <i>Tresilico</i> (Reggio-di-Calabria) I B.
1852	Jan.	Austria, <i>Karlstadt</i> , <i>Agram</i> I F.
1852	Jan. 24	India, Upper Sind, <i>Murree</i> Hills III Ol.
1852	Jan. 24	Mexico, <i>Soyaltepec</i> and elsewhere in Oaxaca I O.B.
1852	Jan. 25	Spain (Catalonia), <i>Olot</i> I P.
1852	Jan. 26	France (Gironde), <i>Libourne</i> I P.
1852	Feb. 22	France (Ariège), <i>Massat</i> I P.
1852	Feb. 22	Central Asia, <i>Derbent</i> I P.
1852	April 16	Azores, <i>St. Michel</i> II P.
1852	May 26	China (Kansu), <i>Chungweihien</i> III Pa.
1852	May	India, <i>Darjiling</i> II Ol.
1852	June 7	Italy, <i>Ischia</i> I C.V.
1852	July 7	West Indies, <i>Jamaica</i> I P.
1852	July 7	Italy, <i>Ischia</i> , <i>Casamicciola</i> I C.V.
1852	July 8	Asia Minor, <i>Rhodes</i> , <i>Makri</i> , <i>Levisi</i> I P.
1852	July 24	Armenia, <i>Erzerum</i> III M. & O.
1852	Aug. 20	14h. 5m., G.M.T. West Indies, <i>Cuba</i> , <i>Santiago</i> III P. & O.D.
1852	Aug. 23	Germany, <i>Württemberg</i> , <i>Biberach</i> II P.
1852	Aug. 29	Asia Minor, <i>Erzerum</i> II P.
1852	Aug. 26	Greece and Turkey, <i>Ramazan</i> II P.

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1852	Aug.	Eyersura III P.
1852	Sept. 16	10h. 45m., G.M.T. Philippines, S. Luzon (Zamballo, Pampanga), Manila, (Cavite and Batangas) II S.M.
1852	Sept. 25	Philippines (Camarines and Albay) I S.M.
1852	Oct. 15	Java, Keboeman, (Poerworedjo) I P.
1852	Nov. 4	Mexico, Acapulco III P.
1852	Nov. 9	U.S.A., Arizona, Fort Yuma I or II F.R.
1852	Nov. 20	France (Drôme), Dieu-le-Fit I P.
1852	Nov. 20	Java, Semarang, Dagelin, Kadae I P.
1852	Nov. 26	Moluccas, Great Banda, Loathoir, Papenberg, Neira; with sea waves III P.
1852	Nov. 26	8h. 37m., G.M.T. West Indies, Cuba, Santiago, Sierra Maestra II P., O.D.
1852	Dec. 4	Mexico, Acapulco, Ayutla, origin near <i>San Marcos</i> I Bo.
1852	Dec. 17	U.S.A., California, San Luis, Obispo I P.
1852	Dec. 20-21	West Java III P.
1852	Dec. 24	Batavia, Buitenzorg I P.
1852	Dec. 24	Philippines, S. Luzon (Batangas) II S.M.
1853	Jan. 1	New Zealand, New Plymouth I P.
1853	Jan. 12	Sweden, Arbra and Unders-Vik I P.
1853	Jan. 18	Armenia, Delishan, Village of Chubukhly, Tiflis district and Sevanga Island II M. & O.
1853	Jan. 20	Java, Sampang I P.
1853	Jan. 27	Spain, Barcelona I P.
1853	Jan. 30	Italy, Ischia, Casamicciola I C.V.
1853	Feb. 9	Salvador and Guatemala, La Antigua, Amatitlan, Quezaltenango I P.
1853	Feb. 19	Italy, Amara (Friuli) I B.
1853	Mar. 11	Japan, Odawara (Sagami, Suruga, Izu, Mikawa, Totomi) I Mi.
1853	Mar. 12	U.S.A., North part of State of New York I P.
1853	Mar. 18	Armenia, Ssabui near Zarskije-Kolodzy I P.
1853	April 1	France, Normandy, Granville and throughout Coutances I P.
1853	April 4	Salvador, San Salvador I P.
1853	April 12	Moluccas, Hila, Larieke I P.
1853	April 13	China, Shanghai, village 30 miles from Shanghai completely ruined II M. & O. P. gives April 14.
1853	April 18	Switzerland (Grisons), Coire or Chur I P.
1853	April 19	Italy, Caposele, Teora, Leone, Calabritto in (Avellino) II B.
1853	April 21-22	Persia, Shiraz; 12,000 people killed III P.
1853	June 2	Persia, Jusd, Fort Umachan-Jusd damaged I P.
1853	June 14	Austria, Karlstadt, Agram I F.
1853	July 11	Persia, Ispahan, 10,000 people killed III P.
1853	July 15	Venezuela, Cumana, 800 or 4,000 people killed III P.
1853	July 14	Costa Rica, Cañas Gordas, Bagaces II P.
1853	Aug. 2	Italy, Pomarance, Volterra in (Tuscany) I B.
1853	Aug. 11	Switzerland, south of Soleure and Biberist I P.
1853	Aug. 15	Venezuela, Cumana I P.
1853	Aug. 18	Greece (Boeotia), Thebes, and bounded on north by M. Atalante, east by Gulf of Atalante, south by R. Asopus, west by L. Copais III P.
1853	Aug. 26	Guatemala, Trujillo I P.
1853	Sept. 22	Italy, Spoleto in (Perugia) I B.
1853	Sept. 30	Greece, Athens, Chalcis, Island of Seyros and Tenedos, Bagaces II Mon. P. gives Aug. 24 and Sept. 10.
1853	Oct. 10	Austria (Herzegovina), Mostar I P.
1853	Nov. 30	Java, District Glawoe I P.
1853	Early in Dec.	Turkey, Constantinople I P.
1853		Philippines, S.E. Luzon (Camarines), Nueva Caceres, Daet II S.M.
1853		Formosa, Tamsui I H.
1854	Jan. 2	Mexico, Durango I O.B.
1854	Jan. 13	Spain (Andalusia), Finana I P.
1854	Jan. 13	Mexico, San Juan del Rio and <i>Tlalpujahua</i> in (Queretaro) I O.B.
1854	Jan. 14	23h. 56m., G.M.T., Chile, Coquimbo I P. & Mon.
1854	Feb. 12	Italy, Donnici, S. Ippolito, Torzano and other places in (Cosenza) II B.

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1854	Feb. 15 & 21	Abysinia, Betalihem near Mahdara I P.
1854	Feb.	Peru or Venezuela, Truxillo I P.
1854	Mar. 12	Turkey, Constantinople I P.
1854	Mar. 17	West Indies, Cuba, Santiago I P.
1854	April 15	Guatemala and Salvador III P. & Mon.
1854	May 3	Java, Residence of Kediri, Prigi I P.
1854	May 5	Mexico, <i>Cordoba</i> in Vera Cruz, Acapulco, <i>Oaxaca</i> , Puebla, Mexico II O.B.
1854	May 15	Algeria, Blidah I P.
1854	June 11	Salvador, San Vicente I P. & Mon.
1854	June 16	Italy, Imola in (Romagna) I B.
1854	July 9	Japan (Yamashiro, Yamato, Kawachi, Izumi, Settsu, Omi, Tamba, Kii, Owari, Iga, Ise, Echizen) III O.
1854	July 14-17	Guatemala, Amatitlan, Escuintla II P. & Mon.
1854	July 30	Turkey, Albania, Fortress of Suli I P.
1854	July 31	France, Bagnères, Grip, Argelès, Tarbes, Eaux-Bonnes, Cauterets I P.
1854	Aug. 29	Java, Padang I P.
1854	Sept. 23	Persia, Tabriz II P.
1854	Sept. 28 or	China, Hongkong, Canton I P.
1854	Oct. 1	Persia and Caucasia (Gilan), Resht, Enzeli and Shemaka I P.
1854	Nov. 26	Salvador, San Salvador I P.
1854	Dec.	Moluccas, Banda I P.
1854	Dec. 23 & 24	All Japan, but chiefly central at and near Tokio; Shikoku, (Suruga, Totomi, Mikawa, Ise, Iga, Inaba); sea waves III O.
1854	Dec. 29	France and Italy, Grasse, Cagnes, Var, Saint Paul, Menton, Ventimiglia, Bordighera, S. Remo and other places in Western (Liguria) I P. & B.
1855	Jan. 23	New Zealand, Wellington, Wairau, Wanganui, Otaki III P. & O.D.
1855	Jan. 24	U.S.A., California, Downieville, Gibsonville, Georgetown I P.
1855	Jan. 26-27	Italy, Macchia and surrounding places near Etna I B.
1855	Jan.	Guatemala, Quetzaltenango I P.
1855	Feb. 1	Mexico, Vera Cruz, Jalapa, Chilpancingo, Oaxaca, Puebla I O.B. P. gives II
1855	Feb. 5	Algeria, Ouennoupha, Mélouza II P.
1855	Feb. 9	New Zealand, Wellington I P.
1855	Feb. 14	New Zealand, Wellington II P.
1855	Feb. 17	Greece, Samos I P.
1855	Feb. 28	Turkey and Asia Minor, Adrianople, Dardanelles, Gallipoli, <i>Brussa</i> , Smyrna II P.
1855	Mar. 2	Asia Minor, Smyrna, <i>Macri</i> II P.
1855	Mar. 5-6	Asia Minor, <i>Brussa</i> I P.
1855	Mar. 8	Mexico, Oaxaca, especially <i>Mixteca</i> II O.B.
1855	Mar. 22	Philippines, S. and S.E. Luzon (Tayabas, Camarines, Albay, Sorsogon) I S.M.
1855	March	Guatemala, Quezaltinango I P.
1855	April 11	Turkey, Asia Minor, <i>Brussa</i> , Constantinople I P.
1855	April 25	Moluccas, Ternate, Halmahera II P.
1855	April 25	Panama, Aspinwall, Gatun I P.
1855	April 27	Norway, Kinservig I P.
1855	April 29	Asia Minor, <i>Brussa</i> to Mouhalitch near Mount Olympus III P.
1855	June 26	Java, Tjilatjap I P.
1855	July 3	Turkey, Albania, <i>Scutari</i> II P.
1855	July 10	U.S.A., California, Los Angeles, St. Bernardino, Santa Barbara II P.
1855	July 14	Moluccas, Halmahera, Ternate, Tidore II P.
1855	July 25 to Dec.	France, Germany, Italy and Switzerland, Viège, all the east of France, <i>Visp</i> in the Valais (Piedmont) and in the Lower Rhine to Strassburg II P. & B.
1855	Aug. 14	Turkey, Albania, <i>Scutari</i> , Vaudens, Bouchat, Jubani, <i>Zadrima</i> , Kosmatchi, in Drin Valley II P.
1855	Aug. 22	Switzerland, Valais, Ausserberg I P.
1855	Oct. 22	New Zealand, Taranaki I P.
1855	Nov. 8	Malta I P.

A.D.		
1855	Nov. 11	Spain, Granada I P.
1855	Nov. 11	Japan, Tokio; (Sagami, Shimosa) III Mi.
1855	Nov. 23	France, Basses Alps, Castellane I P.
1855	Dec. 5	France (Haute-Garonne), Chaum, from Tarbes to Auch I P.
1855	Dec. 5	Celebes, Gorontalo I P.
1855	Dec. 6	Spain, Barcelona I P.
1855	Dec. 12	France, Basses Alps, Castellane II P.
1856	Jan. 12	Portugal (Algarve), Soulé, Faro, Albufeira and Tavira II P.
1856	Jan. 19	Java, Semarang I P.
1856	Feb. 2	Mexico, Oaxaca, Canada I O.B.
1856	Feb. 4	Switzerland, Valley of Visp, Toerbel I P.
1856	Feb. 12	Ecuador, Latacunga (Chimborazo), Cuença, Banos and (Quito) II P. R.S. gives III
1856	Feb. 16	U.S.A., California, San Francisco, it extended from Santa Rosa to Monterey, 143 miles I P.
1856	Feb. 17	Asia Minor, Brussa II P.
1856	Feb. 22	Turkey, Constantinople, Samsun, Varna III P.
1856	April 7	India, Kangara, Simla, <i>Kotghur</i> I Ol.
1856	May 5	Honduras, Belize, Omoa I P.
1856	May 11-12	Italy, Acquaviva, Canosa and elsewhere in (Bari) I B.
1856	May 23	Siberia, Selenginsk I P.
1856	June 5	Italy, Pieve S. Stefano in (Arezzo) I B.
1856	July 23	Caucasia, Shemaka III P., M. & O.
1856	Aug. 4	Honduras, Omoa, San José III P. & Mon.
1856	Aug. 6	Celebes, Gorontalo I P.
1856	Aug. 14-17	China, southern part of (Chihi), Yuching, 20 miles from Pekin destroyed III P., M. & O.
1856	Aug. 21	Algeria, Bone, Philippeville I P.
1856	Aug. 23	Japan, Hakodate II O.
1856	Sept. 2	Algeria, Djidjelli I P.
1856	Oct. 2	Algeria, Philippeville I P.
1856	Oct. 9	Spain, Murcia I P.
1856	Oct. 12	Mediterranean, Malta, Gozo, Civita Vecchia, <i>Karpathos</i> , Palermo, Corfu, Rhodes, Candia, Cassos, Simi and Castelloriso III P., B. & O.D.
1856	Oct. 12 or 22	Grecian Archipelago, Santorin, Stalchi, Carpentes, Cossos; shocks reached Syria and Egypt I P.
1856	Oct. 26	Java near Papandajang I P.
1856	Nov. 4	Japan, Tokio I Mi.
1856	Nov. 9	Austria, Laibach I P.
1856	December	Salvador, San Salvador, Jaltepeque II P.
1856	Dec. 6	Siberia, Selenginsk I P.
1856	Dec. 25	India, Bombay, Sirat I P.
1857	Jan. 8 & 9	U.S.A., Southern California, <i>Santa-Clara</i> , Santa-Barbara, Los Angeles, Monterey, Stockton III P. & F.R.
1857	Jan. 24	France (Nord), Cambrai, Brotteaux I P.
1857	Jan. 27	Sumatra, Benkoelen I P.
1857	Feb. 1	Italy, Parma, Casalmaggiore and Modena, etc. I B.
1857	Feb. 25	Celebes, Gorontalo I P.
1857	Mar. 7	Austria, Laibach I P.
1857	Mar. 7	Italy, Lubiana in (Venetia) I B.
1857	Mar. 12	Loochoo Islands, Naha I P.
1857	Mar. 29	Hungary, Homonna I P.
1857	April 6	Moluccas, Banda Island, Neara I P.
1857	April 9	Asia Minor (Bitlis), Kannis, Mush II P.
1857	April 17	New Guinea, Rook Island or Umbon Island I P.
1857	May 13	Timor, Dilly, Kambing, Atapoepoe II P.
1857	May 21	Asia Minor, Brussa I P.
1857	May 24	Sumatra, Padang I P.
1857	May 27	Celebes, Gorontalo I P.
1857	June 14	Japan (Suruga) II O.
1857	Aug. 14	Cape of Good Hope I P.
1857	Aug. 19	Mexico, <i>Yautepéc</i> in Morelos, Oaxaca, Puebla, Tlaxcala I O.B.
1857	Aug. 20	Peru, Piura I P.
1857	Sept. 17	Turkey, Brussa and at the same time at Péra near Constantinople I P.
1857	Oct. 8	U.S.A. (Illinois), Centralia I P.

A.D.

1857	Oct. 15	Japan (Iyo) II O.
1857	Oct. 27 ?	Persia, Tesong, Azerbaidjan II P.
1857	Nov. 5	Salvador, Guatemala, San Salvador I P.
1857	Nov. 10	Switzerland, Como, Menaggio I P.
1857	Nov. 24	Austria, Spital, Windisch-Garsten I P.
1857	Nov. ? Dec. 27	Asia Minor, Brussa I P.
1857	Dec. 16	Italy (Bascilicata), Salerno III B.
1857	Dec.	Salvador, San Salvador, Cajutepeque III P.
1857	Dec.	Uganda, Gondokoro on the Nile I P.
1857	Dec. 24	Siberia, Semipalatinsk Prov. and Tomsk Govt., especially <i>Kokpettinsk</i> and <i>Ust-Kameinogorsk</i> I P., M. & O.
1858	Jan. 6	Loochoo, Naha I P.
1858	Jan. 6	Italy, Castellucio Inferiore in the (Basilicata) I B.
1858	Jan. 15	Hungary (Moravia and Galicia), <i>Mintzchow</i> , <i>Visnyove</i> I P.
1858	Feb. 21	Greece, Athens, Kalamaki and Corinth I P.
1858	Feb. 24	West Indies, Martinique, St. Pierre I P.
1858	Feb. 27	Moluccas, Ternate I P.
1858	Mar. 9	Algiers, Blidah, Milianah, Boujarik and Cherchel I P.
1858	April 9	Japan (Etschu, Echizen) II O.
1858	April 13	Austria, Carinthia, Rosegg I P.
1858	April 19	Asia Minor, Brussa I P.
1858	April 23	Japan (Shinano) II O.
1858	April 24	Guatemala, Amatitlan, Escuintla, as far as Salvador, Cojutepeque I P.
1858	April 30	Austria, Pola and Citena I P.
1858	Early in May	Nicaragua, Granada and Masaya II P. & Mon.
1858	May 2	Mexico, Oaxaca, Puebla, Vera Cruz, Guerrero and Chiapas I O.B.
1858	May 24	France and Germany, Mayence, Oppenheim, Wiesbaden I P.
1858	June 4	Moluccas, Ternate, Manado and Bachian in Celebes Islands I P.
1858	June 19	Mexico (Mexico), Puebla, Tlaxcala, <i>Patzcuaro</i> in (Michoacan), San Luis-Potosi (Jalisco, Colima and Guerrero) III P. & O.B.
1858	July or Aug.	Ecuador, Quito III P.
1858	Aug. 11	India, Simla I Ol.
1858	Aug. 24	North of British Burmah, Thayet-myo, Prome, Akyab, Khyouk-Phyoo; origin between Irawadi and Bay of Bengal II Ol.
1858	Aug. 28	Peru, Amotape, R. Chira I P.
1858	Sept. 20 to Oct. 10	Turkey and Greece, Corfu, <i>Epirus</i> , <i>S. Albania</i> (Delwino), Kutsch, Schulat, Fuschabarda III P.
1858	Oct. 3	Algeria, Aumale I P.
1858	Oct. 9	Turkey and Greece, Albania, Valona, Gimave, Drymades, also <i>Epirus</i> I P.
1858	Oct. 10	Italy, Brindisi I B.
1858	Oct. 16	France (Vosges), Saut-de-la-Cuve I P.
1858	Oct. 25	France, Pignerol, Cavour I P.
1858	Oct. to Nov.	Italy, Pinerolo (Turin) I B.
1858	Nov. 9	Moluccas, Amboina I P.
1858	Nov. 11	Portugal and Spain, Lisbon, Cintra, Mafra, Belem, Setuval, Seville II P.
1858	Nov. 26	U.S.A., California, San José I P.
1858	Nov. 28	Bosnia and Albania (Zwarnick), Tuzla, Ergheni II P.
1858	Nov. 29	France (Basses Pyrénées), Mauléon I P.
1858	Dec. 13	Celebes, Ternate I P.
1858	Dec. 23	West Indies, Jamaica, Kingston I P.
1858	Jan. 9	Philippines, Mindanao, Lanao and Cotabato I S.M.
1859	Jan. 20	Italy, Collalto (Treviso) I B.
1859	Jan. 22	Ecuador, Quito and between Guayaquil to Popayan III P.
1859	Mar. 5	France, Basses-Pyrénées, St. Jean-le-Vieux I P.
1859	Mar. 22	Ecuador, Quito, Machachi, Perucho, Pomasqui, Saint Antonio, Chillogallo; felt from Guayaquil to Magdalena and Popayan in Colombia III P.
1859	April 10	Peru, Callao I P.

A.D.		
1859	April 12	Italy, Osservanza, Colomboio and neighbourhood in (Siena) I B.
1859	May 21 or June 2	Asia Minor, Erzerum, origin in Palentjukan Mountains and Erlidag III P.
1859	May 31 or June 12	Caucasia, Shemaka, Baskal, Zourmel, Lagitch I P.
1859	June 26	Caucasia, Shemaka and Erzerum I M. & O. This, May 21 and June 12, form one group.
1859	July 13	Armenia, Tiflis and Erzerum I P., M. & O.
1859	July 29	Celebes, Menado ; sea waves I P.
1859	Aug. 20	Turkey, Island of Imbros, <i>Panaya</i> , Ayothedoro, Pyrgos (Gallipoli, Dardanelles) II P.
1859	Aug. 22	Italy, Norcia, and surrounding country in (Perugia) II B.
1859	Aug. 25-Sept. 3	Salvador, La Union ; sea waves II P. & Mon.
1859	Aug. 31	Turkey, Sophia, Tchoadjikhan, Chirvan in Tiflis II P.
1859	Oct. 5	12h. 46m., G.M.T. Chile, <i>Caldera, Copiapo</i> II P.
1859	Oct. 5	U.S.A., California, San Francisco I P.
1859	Oct. 6	Mexico, Canada and elsewhere in Oaxaca II O.B.
1859	Oct. 8	Moluccas (Halmahera), <i>Kao, Ternate</i> II P.
1859	Oct. 11	Chile, Copiapo II P.
1859	Nov. 9	China (Shingking), Kaichou, Newchuang II Pa.
1859	Dec. 1	U.S.A., California, San Francisco I P.
1859	Dec. 8	Central America, <i>Guatemala, Nicaragua, Tepecoya, Guayamoco, Panchimalco, Nahuizalco, San Silvestre, Izalco, San Martin, Masahuat, Nahulango, Juayua, Santo Domingo, San Antonio, Caluco, Acajulta</i> ; sea waves II P.
1860	Jan. 18	Guatemala, Antigua, Escuintla II P.
1860	Feb. 1	France, Pyrenees, Rocheblanche I P.
1860	Feb. 6	Austria, Bosnia, Travnik I P.
1860	April 8	West Indies, Haiti, Port-au-prince, l'Anse au Veau, Cayes, Acquin II P.
1860	April 18	Peru, Arequipa I H.J.
1860	April 22	Peru, Lima, <i>Callao, Cherillos, Manta, Lurin, Carabayllo, Huauhipa</i> II P. H.J. gives I
1860	May 8	Austria, Styria, Rann I P.
1860	May 16	Turkey, Albania, Berzita near to Tirano I P.
1860	May 27 or 30	Italy, Norcia (Perugia) I B.
1860	June 7	Asia Minor, near Mt. Olympus I P.
1860	June 21-24	Central America, Tepalitai, Vera Cruz, Guadalupe, Guatemala, Cojutepeque, Santa Maria, Ostuma II P.
1860	July 19	Italy, Callalto, Guia (Treviso) I B.
1860	Aug. 5	Nubia, Berber I P.
1860	Sept. 20	Bolivia, Chile, Paz, <i>Tacna</i> I P. & Mon.
1860	Sept. 20	Iceland, Reykjavik I Th.
1860	Sept. 27	Algeria, Bordj-Bou-Arreridji, <i>Talzmat, l'Oued-Sahel, Tensaut</i> II P.
1860	Sept. 28	Lower Austria, Litschau I P.
1860	Oct. 3-6	Salvador, San Salvador II P.
1860	Oct. 13	Celebes, Minahassa I P.
1860	Oct. 17	U.S.A. and Canada, N.E. New England and State New York, <i>Baie-St.-Pauls, Rivière-Ouelle</i> I P.
1860	Nov. 4	Caucasia, Belii-Kliuch, 41°33N. 44°30E. I M. & O. See Nov. 9.
1860	Nov. 9	Caucasia, Nazran II P. See Nov. 4 and 28.
1860	Nov. 28	Caucasia, Nazran I P. See Nov. 9.
1860	Nov.	Formosa, Tamsui I H.
1860	Dec. 2	Asia Minor, Smyrna, Chio, Kutaiah I P.
1860	Dec. 3	Central America, Guatemala, San Salvador, Santiago, Santa Teela, Quetzaltepeque, Opico, Tacachico III P.
1860	Dec. 3	Armenia, Erzerum I P.
1861	Jan. 28	Italy, S. Sofia (Tuscany) I B.
1861	Feb. 9	Italy and Malta I B.
1861	Feb. 16	S.W. Sumatra, Padang (Acheen), Batu Island, Nias Island ; sea waves III P.
1861	Feb. 16	Sunday Islands II M. & O.
1861	Feb. 22	Behring Sea, Copper Island I M. & O.
1861	Mar. 5	Caucasia, Shemaka I M. & O.

A.D.

1861	Mar. 9	Sumatra, Padang, Islands of Batu, Simo III P.
1861	Mar. 16	Italy, Varese, Ligure (Liguria) I B.
1861	Mar. 21	0h. 16m., G.M.T. Argentina, <i>San Luis, San Vicenti, Lujan, Mendoza</i> , reached Santiago in Chile III P. & Mon.
1861	Mar. 29	Algeria, Blidah I P.
1861	April 13	Peru, <i>Ayacucho</i> and all the Province of (Andahuailas) III P. & H.J.
1861	April 27	West Indies, Jamaica, Montego Bay, Kingston II P.
1861	April 27	Algeria (Constantine), Biskra I P.
1861	May 9	Italy, Citta della Pieve, Cetona and other places in (Perugia) II B.
1861	May 24	Caucasia, Shusha, <i>Sardob, Shenaka</i> II P.
1861	June 5	Java (Krawang), Pakis; sea waves I P.
1861	July 3	U.S.A., California, San Francisco, Valley of Amador, <i>Oakland</i> I P.
1861	July 10	Sumatra, Benkoelen I P.
1861	July 12	Canada, <i>Ottawa, Montreal</i> I P.
1861	July 31	India, Benares II P. Not given by Ol.
1861	Aug. 3-6	Guatemala, Antigua, <i>Jalpatagua</i> I P. & Mon.
1861	Aug. 21	Philippines, Manila I P. Not given by S.M.
1861	Aug. 23	Guatemala, <i>La Antigua, Amatitlan, San José</i> I Mon.
1861	Aug. 26	India, Benares I P. Not given by Ol.
1861	Aug. 27	Guatemala, <i>Conguaco, Jalpatagua (Jutiapa)</i> I P.
1861	Aug. 29	Argentina, San Carlos I Mon.
1861	Sept. 25	Sumatra, Padang, Indrapoera, with sea waves I P.
1861	Oct. 16	Italy, Forli I B.
1861	Oct. 17	Spain, Alicante I P.
1861	Nov. 19-28	Italy, Potenza (Basilicata) I B.
1861	Dec. 9	Italy, Torre del Greco, Resina and Naples, near Vesuvius I B. & P.
1861	Dec. 17	Caucasia, Alkan-yhurt 42°18N. 45°E., Samasha I M. & O.
1861	Dec. 18	Austria, Croatia I P.
1861	Dec. 26	Greece, Corinth, Aigion, Vostizza, Galaxidi II P.
1861	Jan. 1	Forinosa, Toroku II H.
1862	Jan. 12-31	Greece, Athens, Patras, Aigion or Vostizza I P.
1862	Jan. 13	Siberia, Mouth of R. Selenga, Irkutsk, Selenginsk, Verknedudinsk, Chita, Petrovsk, Nikolaevsk, Upper and Lower Angora Districts II M. & O. & P.
1862	Jan. to Feb.	Hungary, Shennitz, Neponuk I P.
1862	Feb. 5	China (Yunnan), Tali Fu III Ho.
1862	Feb. 5	Siberia, Selenginsk I P. A continuation of Jan. 12-31.
1862	Feb. 22	Argentina, Mendoza, several people killed II P.
1862	March	New Zealand I P.
1862	Mar. 4	Siberia, Lake Baikal I P.
		9h. 30m., G.M.T. Philippines, Manila and neighbouring provinces I S.M.
1862	Mar. 18	Germany (Rhine), Liedberg, Gladbach I P.
1862	April 28	Siberia, Selenginsk I M. & O.
		Strong earthquakes at Siberia, Selenginsk in 1803, 1811, 1815, 1818, 1829 and 1839 P.
1862	May 4	Switzerland, Valais, Visp, and Valley of the Rhone, Vièze, Stalden, Zernatt I P.
1862	May 20	Chile, Taena to Arica II P. & Mon.
1862	May 24	Java, Provinces of (Krawang, Preanger), Poerwakarta I P.
1862	May 24	Asia Minor, Marmarizza I P.
1862	May 26	Austria, Tyrol, Kalkstein I P.
1862	May 27	Switzerland, Valais, St. Nicholas I P.
1862	May 27	Austria, Carinthia, Heiligenblut, Döllach I P.
1862	May 28	Peru, Callao, Lima I P.
1862	June 6	Formosa, Tainan, Kagi, Shoka III H.
1862	June 8	Algeria, Relizane I P.
1862	June 20	Chile, Taena and Arica I Mon.
1862	July 1	Philippines, Island of Guam, Ladrones Islands I S.M.
1862	July 10	Gold Coast, Accra, Jamestown and again on the 28th III P. & O.D.
1862	July 11	Peru, Casma I P.

A.D.		
1862	July 13	Philippines, E. Luzon, along coasts of Baler and Casiguran I S.M.
1862	July 14	Gold Coast II O.D.
1862	Aug. 22	Spain (Seville), Villa Nueva II P.
1862	Sept. 9	8th, 19th., G.M.T. Philippines, N. Luzon (Ilocos Norte, Abra and Cagayan) provinces, Laoag, Aparri II P. & S.M.
1862	Oct. 15	Moluccas, Banda I P.
1862	Oct. 16	Asia Minor, Afisun-Karahissar II P.
1862	Oct. 29	Caucasia, Shemaka I P.
1862	Oct. 30	4h. 30m., G.M.T. Philippines (Laguna), South of Lake Bay I S.M.
1862	Nov. 3	Asia Minor, Smyrna, Chekoud-Cassaba in (Isbarta), Afisun-Karahissar III P.
1862	Nov. 22	Austria, Krema I P.
1862	Nov. 26	Algeria, Tikitount I P.
1862	Nov. 29	Asia Minor, Smyrna, Chio, Metelin I P.
1862	Nov. 29	Caucasia, Shemaka I M. & O.
1862	Dec. 19	West Indies, Guadeloupe, Pointe-à-Pitre, Sainte Marie I P.
1862	Dec. 19	Caucasia, Shemaka, Lenkoran, Shusa, Zournabad I P.
1862	Dec. 19	Central America, Guatemala, Nicaragua, <i>Antigua</i> , Amatitlan, Escuintla, Port of San José; also felt in Honduras and throughout Salvador III P. & Mon.
1862	Dec. 21	Persia, Shiraz II P.
1862	Dec. 27	U.S.A., California, San Francisco I P.
1863	Jan. 6	Mauritius, Port Louis I P.
1863	Jan. 17	Hungary, Voros, Pencz, Foth, Buda I P.
1863	Jan. 19	Italy, Montecassino, S. Germano (Caserta) I B.
1863	Jan. 22	Austria, Croatia, Karlstadt, Cilla I F.
1863	Jan. 30	Italy, Casamicciola I C.V.
1863	Feb. 22-23	New Zealand, Hawkes Bay, Province of (Napier) I P., O.D., & T.
1863	Feb. 3-27	Switzerland, Valais, Graechen I P.
1863	Mar. 16	Java, Serang I P.
1863	Mar. 22	Italy, Ischia, Casamicciola I C.V.
1863	April 5	Philippines, Iloilo, Antique I P.
1863	April 17	Spain, Granada, Alhendin, Gojar and Ojijares I P.
1863	April 22	Asia Minor, <i>Rhodes Island</i> , 13 villages destroyed; Smyrna and <i>Island of Cos</i> III P. & Ti.
1863	April 27	Italy, Ischia, Casamicciola I C.V.
1863	June 3	11h. 20m., G.M.T. Philippines, S. Luzon, Manila, and neighbouring provinces III S.M. & Ti.
1863	June 9	Philippines, S. Luzon, Manila I S.M.
1863	June 9	France (Lower Alps), Digne, Beynes I P.
1863	June 20-27	Spain, Almeria, Albox, Arboleas, Vera, Huercal-Overa I P.
1863	June 29	Peru, Arequipa I Mon.
1863	July 9	Spain (Almeria), Seron I P. Same series as June 20.
1863	July 10	West Indies, Trinidad II O.D.
1863	July 31	Java, Banjoemas I P.
1863	Aug. 8	Spain (Granada), Albunol, Albondon, Mamola, Castel de Ferro I P.
1863	Aug. 13	Java (Preanger), Manondjaja, Tjie-Kandjang and Banjoemas, Soeka-Radja I P.
1863	Aug. 16	Asia Minor, Rhodes Island, Archangelo I P.
1863	Sept. 2	Turkey, Dardanelles, Jenidji and Saritchaban I P.
1863	Sept. 7	Algeria, Aumâle I P.
1863	Sept. 27	Philippines, Luzon (Leyte) I P.
1863	Oct. 6	England, Cheshire, Dudley I M. & W.
1863	Oct. 20	Hungary, Mur Valley I P.
1863	Oct. 27	Philippines, Luzon, Tacalaban II P.
1863	Nov. 6	Turkey, Constantinople, Gallipoli, Guemlek, Oumnourbey, Brussa II P.
1863	Nov. 24	Asia Minor, Anatolia, Boli I P.
1863	Dec. 7	Ladrones, Guam I S.M.
1863	Dec. 11	Moluccas, Banda I P.
1864	Jan. 2-11	Asia Minor, Rhodes Island, Makri I P.
1864	Jan. 3	Persia and Caucasia, Ardebil, also felt at Lenkoran, Karabagh and Shirwan III P., M. & O.
1864	Jan. 3	Philippines (Cotabato, Zamboanga), <i>Illana Bay</i> I S.M.

A.D.

1864	Jan. 6	Persia, near Ardebil, four villages destroyed III P.
1864	Jan. 6	Austria (Carniola), Sagori I P.
1864	Jan. 10-11	Asia Minor, Makri II P.
1864	Jan. 12	Spain, Murcia, <i>Lebrilla to Cartagena</i> , Alhama I P.
1864	Jan. 12	2h. 9m., G.M.T. Chile, <i>Copiapo, Tierra-Amarilla</i> , Ojancos, Nantoco, Chanarcillo, Totoralillo, Pavillon, etc. III P. & Mon.
1864	Jan.	China, Hankow III P., M. & O.
1864	Feb. 16	West Sumatra, Padang, Batu Island (Mandheling and Angkola), Penjaboengan with sea waves III P.
1864	Feb. 16	Iceland, Reykjavik I Th.
1864	Feb. 28	Canada, B.C., Thornes-creek II Ti.
1864	Feb.-Mar.	Italy, Vergato, Tole, Savignano, etc., in the Apennines of (Bologna) I B.
1864	Mar. 22	U.S.A., San Francisco, Santa Clara I P.
1864	May 5	China (Kiangsu), Shanghai, Nanhui, Sungchiang Fu, Chiating, Taitsang I Ho.
1864	May 19	West Indies, Haiti, Jacmel II P.
1864	May 20	Sumatra, Benkoelen I P.
1864	May 21	New Guinea, Dorei, Mt. Arfaks II P.
1864	June 6	Sumatra, Siboga I P.
1864	June 14	Turkey, Salonica to Gallipoli I P.
1864	July 7 ca.	Asia Minor, Enos Island, Mais Island near Rhodes I P.
1864	July 20	Java, Toeban at Rengel I P.
1864	Aug. 14	Turkey (Moldavia), Kalarach II P.
1864	Sept. 26	Canada, B.C., Vancouver, Victoria I P.
1864	Oct. 3	Mexico, Vera Cruz, Puebla, Tlaxcala, <i>Soledad, Téchuanac, Orizaba</i> and Cordoba III P.
1864	Oct. 28	Greece, Lamia, Rolan I P.
1864	Oct. 29	British Columbia, Victoria and New Westminster I P.
1864	Dec. 2 to 26	Asia Minor, Bagdad, <i>Zarbotia</i> , Bassorah, Bedra-Djessan, Mendeli II P.
1864	Dec. 7	Sumatra, Padang, <i>Taloe</i> I P.
1864	Dec. 5	France, St. Amand-de-Boixe, Montignac I P.
1864	Dec. 12	Italy (Tuscany), Mugello I B.
1864	Dec. 26	Sumatra, Tagal, Boemie-Ajoe I P.
1864	Dec. 28 or 31	Italy (Apulia), S. Nicandro-Garganico in Foggia I B.
1865	Jan. 27	England, Gloucester I M. & W.
1865	Mar. 22	Turkestan, Merke I M. & O.
1865	April 11	West Indies, Kingston, Jamaica I Ti.
1865	May 8	11h. 23m. a.m. W. Sumatra, Padang and Benkoelen I O.N.T.
1865	May 16	Austria, Paasdorf, 27 miles N.N.E. of Vienna I F. & Ti.
1865	May 17	2h. 49m. p.m. Java, Ruins of Tjandie-Sewoe and Prambanan in Soerakarta II O.N.T.
1865	May 18	11h. 14m. p.m. Java, <i>Joenoeng-Tigi</i> in Tegal, Kedieri, Tjilatjap in Banjoemas, Kadoe, Madoera and other districts II O.N.T.
1865	May 22	Siberia, Selenginsk, Irkutsk, Verkneudinsk I M. & O.
1865	May 26	Formosa, Manca I F.
1865	May 27	Siberia, Simbrisk, Porezkoje II F. & Ti.
1865	July 13	Austria, Styria, Fürstenfeld, Pöllau I Ti.
1865	July 16	Java, Ambarawa, 6 and 7 p.m., Banjoe-Biroe and elsewhere in Semarang II O.N.T.
1865	July 19	Italy, Sicily, <i>Fondo di Macchia</i> , Baglio, Rondinella, etc., near Etna II B.
1865	Sept. 21	Italy, Citta di Castello (Perugia) II B.
1865	Sept. 25	China (Shantung), around the Taishan III F., M. & O. & Ti.
1865	Oct. 1	Mexico, Amecameca I O.B.
1865	Oct. 8	U.S.A., San Francisco, <i>Santa Cruz</i> , Sacramento, Stockton, San José II F.R.
1865	Oct. 18,	
1865	19, night	Sumatra (Bangka), Bellinjoe I O.N.T.
1865	Nov. 11-14	Asia Minor, Chios III F., Ti.
1865	Nov. 23	22nd, 20h., G.M.T. Philippines, Manila and adjacent provinces I S.M.
1865	Nov. 25	1h. 40m. and 2h. 40m. p.m. Celebes, <i>Tondano</i> and <i>Kema</i> and throughout (Minahassa) III O.N.T.

A.D.		
1865	Dec. 15	Venezuela, Caracas, La Guayra, P. Cabello, Valencia II F.
1865	Dec. 19	India, Chittagong and Bengal I Ol.
1866	Jan. 2	Mexico, <i>Acatzingo, San-Andrés-Chalchicomula</i> in Vera Cruz, Puebla, Oaxaca, Cordova, Orizaba, Tehuacan, <i>Maltrata</i> III F. & Ti. O.B. gives I
1866	Jan. 19-21	Asia Minor, Chios I F. & Ti.
1866	Jan. 29	Germany, Pomerania, Rekow near Bütow I F.
1866	Feb. 1 & 21	Italy, La Vene (Spoleto) I B.
1866	Feb. 2	Asia Minor, Chios I F.
1866	Feb. 6	Greece, Patras I F.
1866	Mar. 2	Turkey, Epirus, Albania, <i>Avlona</i> and <i>Pollina</i> III F.
1866	Mar. 8	Siberia, Verkneudinsk and Irkutsk I M. & O.
1866	Mar. 9	0h. 40m., G.M.T. Norway, Prefectur of Trondhjem I O.D.
1866	Mar. 12	Japan (Harima, Tanba) II Mi.
1866	Spring	Fornosa, Tamsui I H.
1866	Mar. 20	Asia Minor, Chios I F.
1866	April 22	11h. 9m. a.m., <i>ca.</i> Java, Willem and Banjoe-Biroe in Semarang I O.N.T.
1866	May 23	India (Nepal), Katmandu; (Bengal), <i>Monghyr</i> , Jubbulpore II Ol.
1866	May 25	China (Chehkiang), Chenhai, Ningpo in Ningpo Fu I Ho.
1866	June 24	Ladrones, Guam I S.M.
1866	June 29	Lat. 31°N. 40°W. I Ti.
1866	July 23	Chile, Copiapo I Mon.
1866	July	Asia Minor, between the Euphrates and the Tigris III F.
1866	Aug. 11	Italy, Monte Baldo (Verona) I B.
1866	Aug. 25 or	
1866	Sept. 6	Siberia, Petropavlovsk and Lyersny II M. & O.
1866	Sept. 5	U.S.A., Alaska, Kodiak II Ti.
1866	Sept. 26	5h. 37m. p.m. West Indies, Trinidad I O.D.
1866	Sept. 30	Java (Banjoemas) I O.N.T.
1866	Oct. 23	China (Shantung), Chucheng, Chingchou Fu; (Kiangsu), Chiating in Taitsang, Shanghai, Sungchiang in Sung-chiang Fu I Ho.
1866	Nov. 4	Russia (Bessarabia), Soroki I F.
1866		U.S.A., Kansas, Wamego I F.R.
1866	Dec. 1	2 p.m., <i>ca.</i> W. Sumatra, Taloe, Padang I O.N.T.
1866	Dec. 29	28th, 19h., G.M.T. Philippines, N. Luzon (Ilocos Norte), Laoag II S.M.
1867	Jan. 2	Algiers, Algiers, <i>Blidah, Chiffa, El Affraun, El Aim, Ben-rasmi, Monzaaville</i> III F. & Ti.
1867	Jan. 5	1h. 45m., G.M.T. Philippines (Albay) I S.M.
1867	Jan. 12	China (Kiangsu), Chiating in Taitsang, Shanghai, Sung-chiang in Sungchiang Fu I Ho.
1867	Jan. 31	France, Chablis, Planta I F.
1867	Feb. 4	Greece, Cephalonia, <i>Lixuri</i> , Argostoli, Cosmopoli III F. & Ti.
1867	Mar. 7-16	Asia Minor, <i>Mitylene</i> , 3,000 houses destroyed, Lesbos III F.
1867	Mar. 14	China, Hankow I Ti.
1867	Mar. 15	Switzerland, Lake Maggiore, <i>Feniolo</i> I F.
1867	Mar. 21	Salvador, Guiamoco II Mon.
1867	Mar. 26	5h., G.M.T. Philippines (Ilocos Norte) I S.M.
1867	April 2	Salvador, San Salvador II Mon.
1867	April 15	Germany, Essen I F.
1867	April 29	U.S.A. (Missouri), Kansas I Ti.
1867	May 5	China, Pekin I M. & O.
1867	May 7 & 8	Siberia, Selenginsk I M. & O.
1867	May 14	Switzerland (Vaud), Yvonand I F.
1867	May 31	Azores, Sereta, Raminho I F.
1867	June 9	9h. 9m. p.m. Java, <i>Djokjakarta, Bojolali</i> , and <i>Klatten</i> , and all over Java except the Preanger III O.N.T.
1867	June 30	Austria, Littai near Laibach I F.
1867	July 3	India (Madras), Villapuram I Ti.
1867	July 23	Caucasia, Tefaf 41°55N. 45°20E., Shemaka, Mukhran, Zurnabad 40°30N. 46°14E., and Elizabetopol 40°40N. 46°20E. I M. & O.

A.D.			
1867	June 30-July 7	Salvador, San Salvador	I Mon. & Ti.
1867	Aug. 15-16	Italy, Casamicciola, Island of Ischia	I B.
1867	Sept. 9	Greece, Patras, Candia	I Ti.
1867	Sept. 20	Malta	I Ti.
1867	Near end of Sept.	Greece, Magelang, Solo, Messenia and Lakonia, Gytheion	II F.
1867	Nov. 3	1h. 50m. a.m. Moluccas, <i>Ternate</i> , Tidore and Halmahera	I O.N.T.
1867	Nov. 18	2h. 30m. p.m., local. West Indies, Virgin Islands, St. Thomas, St. Johns, St. Croix; sea waves	II F., Ti., & O.D.
1867	Nov. 25	Italy, Resina, Torre del Greco in (Naples)	I B.
1867	Dec. 18	Formosa, Kelung, Tamsui	III Ti.
1867	Dec. 27	1h. 11m., G.M.T. Philippines, Samar Island	I S.M.
1867	Dec. 31	Iceland, Skalfandi, Husavik and Akureyri, a few houses destroyed	II Th.
1868	Jan. 16-20	China (Chekiang), Chenhai in Ningpo Fu	I Ho.
1868	Jan. 17	Italy, Monte Amiata in (Siena)	I B.
1868	Feb. 4	Russian Turkestan, Tashkent	II M. & O.
1868	Feb. 18	Caucasia, Akhalkalaki, Kvirily, Toporwan and Ardahan in Kars Province	I M. & O.
1868	Feb. 25	Armenia and Caucasia, Erzerum, Alexanderopol, Akhalkalaki	II M. & O.
1868	Mar. 17	West Indies, St. Thomas	I Ti.
1868	Mar. 18	Caucasia, Telaf, Delishan, Shusha, Jebrail, Sakataly, Shemaka, Belasuvar, Chatakh	I M. & O.
1868	Mar. 21	Russia, Grosnyi and Galachewsk Station	I M. & O.
1868	Mar. 27	Sandwich Islands, Mauna Loa	III F.
1868	April 4	Philippines, Leyte Island	I S.M.
1868	April 4	Sandwich Islands	II F. See Mar. 27.
1868	April 4	Russian Turkestan, Tashkent	II M. & O.
1868	April 4	Sandwich Islands, Iilo with sea waves	II F.
1868	April 7	Mexico, San José de Iturbide in San Luis Potosi	I O.B.
1868	April 11	Armenia, Kars and Nizhni-Pasin, Erzerum, Tiflis	II M. & O.
1868	May 22	Mexico, <i>Iturbide</i> , Jalisco, Oaxaca, Puebla, Mexico, Tehuantepec	II O.B.
1868	May 25	Mexico, Acapulco	I O.B.
1868	June 7	Peru, Socalor or Socota?	I F.
1868	June 21	Austria, Hungary, Jass Bériny, Pesch	I Ra.
1868	June 27	0h. 11m., G.M.T. Philippines, Panay Island, Iloilo	I S.M.
1868	June 29	Germany, Essen	I F.
1868	June 30	Russia, Tsogonoi village	42°53N. 45°33E., Terek province
			II M. & O.
1868	July 7	5h. 1m., a.m., local. West Indies, Trinidad	I? O.D.
1868	Aug. 10	France, near Paris, <i>Meudon, Bellevue</i>	I F.
1868	Aug. 13	S. Peru, Bolivia, and N. Chile, E. to Paz, N. to Lima, with sea waves from Truxillo to Concepcion, Arequipa, Tacna, Arica, Iquique, Moquegua, Locumba, also at Copiapo, Pisagua, Chincha	III F. & Ti.
1868	Aug. 16	Ecuador, Colombia, Guayaquil, province of (Pinchincha), Imbabura, Ibarra, San Pablo, Atuntaqui, Quito	III F. In Ecuador 40,000 and in Colombia 30,000 lives were lost.
1868	Aug. 17	New Zealand, Taranaki	II F.
1868	Aug. 19	Bolivia, Cosapillo?	II F.
1868	August	India, Peshawar	I Ol.
1868	Aug. 20	Hungary, Jasz Béreny	I F.
1868	Sept. 17	6h. 31m., p.m. Java, Tjamisin in (Cheribon), Bandeong and Garoet in the (Preanger)	II O.N.T.
1868	Oct. 12	Chile, Copiapo	I Mon.
1868	Oct. 18	New Zealand, Hokitika, Nelson, Waitaho, Taranaki	I Ti.
1868	Oct. 19	Mexico, Guerrero, Oaxaca, St. Catharina, Albarradas	II F.
1868	Oct. 21	U.S.A., California, <i>San Francisco</i> , Oakland, San Leandro, San José, <i>Redwood City</i> , S. Clara, S. Cruz, S. Matteo, and north of San Francisco, San Rafael, Petaluma, S. Rosa, Sacramento	III F. & F.R.

A.D.			
1868	Oct. 26	New Zealand, Taranaki II Ti. See Oct. 18.	
1868	Oct. 29-30	China (Kiangsu), Chenchiang Fu; (Anhui), Chihchou Fu, Hochin in Yingchou Fu I Ho.	
1868	Nov. 1-2	Iceland, Faxafloii, Reykjavik, Börgarfjörd; some houses damaged I Th.	
1868	Nov. 1-6	Mexico, <i>S. Luis Potosi, Iturbide</i> II F.	
1868	Nov. 5	Chile, Copiapo II Ti.	
1868	Dec. 20	Mexico, Colima, <i>Manzanillo</i> III F. Ti. gives II	
1869	Jan. 10	India, Assam, <i>Silchar, Cachar</i> III F. & Ti.	
1869	Feb. 7	Italy, Siena I B.	
1869	Beginning of Feb.	Hungary, Csik-szek I F.	
1869	Mar. 6 & 11	Colombia and Northern Venezuela, <i>Bogota, Magdalenen-stromes and Branco</i> III R.S.	
1869	Mar. 15	England, East Lancashire and borders of West Yorkshire I R.	
1869	Mar. 29	Argentina, Mendoza I Mon.	
1869	Mar. 31	Italy, San Giovanni, Rotondo (Foggia) I B.	
1869	Early in the year	Austria (Dalmatia), <i>Ragusa</i> I F.	
1869	April 18	Asia Minor, Rhodes Island, Symi, Kalymnos II F.	
1869	April 29	Chile, Talca I Mon.	
1869	April	India, Peshawar I Ol.	
1869	June 11	New Zealand, Christchurch and Lyttelton I Ti.	
1869	June 25	Italy, Vergato, Zocca, Casio in (Bologna) I B.	
1869	June 29	Peru, Arequipa I Mon.	
1869	July 7	India (Nepal), Katmandu III Ol.	
1869	Aug. 15	Peru and Chile, Lima, Callao, Iquique I F.	
1869	Aug. 16	7h., G.M.T. Philippines, Masbate Island III S.M.	
1869	Aug. 17	Russia, Saratow, Sokalowberg II F. Eqke.?	
1869	Aug. 19	Peru, Chile, Arica and Ica; sea waves I Mon.	
1869	Aug. 20-24	Peru, Chile, Tacna, <i>Arica, Iquique, Pica</i> ; sea waves I F., Mon. & H.J.	
1869	Sept. 2	Caucasia, Shemaka, most violent in Sundi, 12 miles from Shemaka III M. & O.	
1869	Sept. 17	West Indies, St. Thomas II F. & Ti.	
1869	Sept. 26	Italy, San Geminiano in (Siena) II B.	
1869	Oct. 1	3h. 35m., G.M.T. Philippines, S. Luzon, <i>Manila</i> (Rizal, Laguna, Bulacan, Cavite, Batangas) and Northern Mindoro II S.M.	
1869	Oct. 11	Russia, Crimea, Feodossia, Sudak, Jalta I F.	
1869	Oct. 13	Austria, Carniola, Radmansdorf I F.	
1869	Oct. 22	U.S.A., all over New England States, <i>Fredericton</i> in New Brunswick III F.R. Ti. gives I	
1869	Oct. 23	8h. 30m., G.M.T. Philippines, S. Luzon (Lagua) II S.M.	
1869	Oct. 26	Chile, Cobija I Mon.	
1869	Oct. 31	Germany, Russelsheim, Mannheim, Heidelberg, Wiesbaden I F.	
1869	Nov. 1	Siberia, Valley of the Bargusin River, Lake Baikal I M. & O.	
1869	Nov. 2	Germany, Mannheim, Grossgerau, Darmstadt I F. & Ti.	
1869	Nov. 3	Peru, Arequipa I H.J.	
1869	Nov. 16	Algeria, <i>Biskra, Seriana, Sidi Alba</i> III F.	
1869	Nov. 28	Italy, Monteleone, Nicastro and neighbourhood in (Calabria) I B.	
1869	Dec. 1	Asia Minor, <i>Onlah, Marmaritsa, Mulla, Smyrna, Rhodes</i> III F.	
1869	Dec. 10	Russian Turkestan, Kojent I M. & O.	
1869	Dec. 20	India, Rawalpindi I Ol.	
1869	Dec. 26	Caucasia, Tiflis, Alexandropol, especially villages Malye, Jamzhili and Janshtan III M. & O.	
1869	Dec. 27	U.S.A., California and Nevada City, Sacramento, <i>Virginia City, Stockton, Truckee, Marysville</i> II F. & F.R.	
1869	Dec. 28	Greece, Corfu, <i>St. Maura Island</i> III F. & Ti.	
1870	Jan. 5	Hungary, Pressburg, Tyrnau I F.	
1870	Feb. 8	Italy, <i>Gallignano, Osimo, Capodimonte, etc., in (Ancona)</i> I B.	
1870	Feb. 22	Asia Minor, <i>Makri, Rhodes</i> II F.	

A.D.			
1870	Mar. 1	Austria, Croatia, Istria, <i>Lissacz</i> near Karlstadt, Volosca, Trieste, <i>Clana</i> near Fiume	II F.
1870	Mar. 2	1st, 19h., G.M.T. Philippines (N.E. Samar)	II S.M.
1870	Mar. 25	Argentina, Mendoza	I Mon. F. gives 29th.
1870	April 11	China, Bathang	II Pa., F. & Ti.
1870	April 22	India, Dacca	I Ti.
1870	April 23	Chile, Calama	I Mon.
1870	May 11, 12, & 16	Mexico, Vera Cruz, Puebla, Mexico, Oaxaca, <i>Ejutla</i> and south to Tabasco	III O.B., F., & Ti.
1870	May 13	Ladrones, Guam	I S.M.
1870	May 23	15h. 55m., G.M.T. Philippines, N. Luzon (Ilocos Norte, Laoag, Cagayan, Isabela and northern mountain provinces)	II S.M.
1870	June 1-11	Guatemala, Guatemala, towns and villages destroyed	III Mon.
1870	June 4	Colombia, Bogota at 9.50 p.m., local	I O.D.
1870	June 24	Syria and Egypt, Damascus, Cairo, Zebedani, Cyprus, Crete, East Coast Red Sea	I F.
1870	July 1	Greece, Santorin Island	III Ti.
1870	July 7 & 8	Russia, Eastern shore of Black Sea	I M. & O.
1870	July 11	Bolivia	II F.
1870	July 12	Asia Minor, Smyrna, Crete, Cyprus, Tiflis	I F. Ti. gives Tiflis only.
1870	July 12	Salvador and Honduras, <i>Santa Rosa</i>	II Mon.
1870	Aug. 1	Greece, Athens, Corinth, Patras, <i>Harbour Itea, Chrysos, Pyraeus</i> , Kalchis	III F. & Ti.
1870	Oct. 5.	Italy, <i>Mangone</i> , Cellara, S. Stefano, other towns in (Cosenza) and the chief town itself	III B.
1870	Oct. 20	Canada, Quebec, Baie St. Paul, Toronto, also New York (Maine)	I Ti. & O.D.
1870	Oct. 25	Greece, Athens	I Ti.
1870	Oct. 28	India, Sind	I O.D.
1870	Oct. 30	Italy, <i>Meldola</i> , Teodorano, Castrocaro and other places in (Forli)	II B.
1870	Nov. 4	3rd, 20h., G.M.T. Philippines, Central Mindanao, epicentre between the <i>Gulf of Davio</i> and <i>Misamis</i>	II S.M.
1870	Dec. 21	Peru, Arequipa	I Ti.
1871	Jan.	S. Pacific, Sunday Island	I F.
1871	Jan.	Mexico (Tepic), Ahuacatlan, Lextlan, Taba	III F.
1871	Feb. 9	Germany, Darmstadt	I Ti. F. gives 10th.
1871	Feb. 14, 16 ?	Germany, Darmstadt, Lorsch	I F.
1871	Feb. 19	Sandwich Islands	I Ti.
1871	Feb. 21	20th, 20h., G.M.T. Philippines, Camiguin Island, Mam-bajao, Catarman	III S.M.
1871	Feb. 22	Peru, Puno	I H.J.
1871	Feb. 23	Bolivia, Province of (Cochabamba), <i>San Antonio</i>	II Mon.
1871	Mar. 4	Siberia, Irkutsk Govt. and (Transbaikal) Prov. and North Mongolia	I M. & O.
1871	Mar. 19	Sandwich Islands, Honolulu	II Ti. See Feb. 19.
1871	Mar. 25	14h. 46m., G.M.T. Chile, Santiago and Valparaiso, Talca	I Mon. & Ti.
1871	Mar. 27	3h. 44m., a.m. Java, <i>Bandjarnegara</i> and elsewhere in Banjocemas, Kadoe	II O.N.T.
1871	April 11	China, Bathang, 2,300 lives lost	III F.
1871	May 25	Malacca, Bintang Island	III Ti. Not given by O.N.T.
1871	June 28	27th, 21h. 30m., G.M.T. Philippines, S. Mindanao, Davao	I S.M.
1871	July 11	13h. 19m., G.M.T. Philippines, Luzon, N. of 16° of N. Lat.	II S.M.
1871	July 29	Italy, Montescudaio, <i>Guardistallo</i> and Bibbona in (Pisa)	II B.
1871	Aug. 2	Peru, Arequipa	I H.J.
1871	Aug. 18	12h. 51m., p.m. West Sumatra (Palembang), <i>Benkoelen</i> , and all the west coast of Sumatra, Batavia in Java, Lingga, and Ternate	II O.N.T.
1871	Aug. 21	West Indies, St. Thomas	III Ti.
1871	Aug. 21	Peru, Callao; sea waves	I F.
1871	Sept.	West Indies, Tortola Island	III F.

A.D.			
1871	Oct. 4	12h. 30m. G.M.T. Philippines, S.E. Mindanao, Davao, District, Caraga II S.M.	
1871	Oct. 5	9h. 46m., G.M.T. Chile, Iquique, Tarapaca, Pica and Matilla I J.H. & Mon.	
1871	Oct. 13	Mexico, Manzanillo in Colima I O.B.	
1871	Oct. 23	3h. 16m., G.M.T. Argentina, Oran, Jujuy III F. & Mon.	
1871	Oct. 22	Italy, Chianti (Siena) I B.	
1871	Nov. 5	1h., G.M.T. Philippines, N.E. Mindanao (Surigao), Bislag, Caraga II S.M.	
1871	Nov. 29	8h. 30m., G.M.T. Philippines, Basilan, Jolo Islands II S.M.	
1871	Dec.	Spain, Cordova, also Oran III Ti.	
1871	Dec. 8 & 9	8th, 9h. 30m. and 23h. 30m., G.M.T. Philippines, W. Mindanao, Cotobato, Lanao and Davao districts, <i>Cotobato, Pollok</i> III S. M.	
1871	Dec. 11	Caucasia, Gulija, $39^{\circ}57'N. 43^{\circ}30'E.$, 56 miles west of Erivan and in the Echmiadzin district II M. & O.	
1871	Dec. 19	14h. 30m., G.M.T. Philippines, E. Mindanao (Surigao to Davao) II S.M.	
1872	Jan. 9	Canada, Quebec I Ti.	
1872	Jan. 11	0h. 1m., G.M.T. Peru, Arequipa I H.J.	
1872	Jan. 17	Caucasia, Shemaka II F.	
1872	Jan. 26	11h. 30m., G.M.T. Philippines, W. Luzon, north part of (Zambales), Agno, Bolinas II S.M.	
1872	Jan. 27-30	27th, 8h. 30m., G.M.T. Philippines (Ilocos Norte) I S.M.	
1872	Jan. 28-Feb. 19	Caucasia, Shemaka and neighbourhood III M. & O. & Ti.	
1872	Mar. 6	Germany, Dresden, Schönebeck I F.	
1872	Mar. 13	Japan (Iwami, Inaba, Hoki) II Mi.	
1872	Mar. 26	U.S.A., South California, (Inyo County), Lone Pine III F., F.R., & Ti.	
1872	Mar. 27	Mexico, Oaxaca, Puebla, Tlaxcala, Vera Cruz III O.B.	
1872	April 3	Asia Minor, Antioch, 1,800 lives lost, Aleppo, Beirut, Damascus III F. & Ti.	
1872	April 14	Gold Coast, Accra II Ti.	
1872	April 18	Iceland, around Skjálfandi, many houses in Husavik and farms damaged II Th.	
1872	May 14	Italy, Cividale (Udine) I B.	
1872	June	Persia, Hamadan III F.	
1872	July 13	9h. 31m., a.m. Java, <i>Koeningen</i> in Cheribon and Tjawie in the Preanger I O.N.T.	
1872	July 15	Armenia, Shemaka II Ti.	
1872	July 22	14h. 50m., G.M.T. Philippines (Camarines and Albay) I S.M.	
1872	July 24	China (Kiangsu), <i>Chiangning Fu</i> , Chenchiang Fu, Yangchou Fu; (Anhui), Luchou Fu II Ho.	
1872	Aug. 24	13h., G.M.T. Philippines, Davao I S.M.	
1872	Sept. 6	5th, 16h., G.M.T. Philippines, N. Samar, Catanduanes Island, (Sorsogon and Albay) I S.M.	
1872	Sept. 10	12h. 20m., G.M.T. Philippines, Luzon (N. Mountain) I S.M.	
1872	Sept. 21	China (Kiangsu), <i>Chenchiang Fu</i> , Paoshan, Chungming in Taitsang, Sungchiang, Chingpu in Sungchiang Fu, Chiahsing Fu; (Chehkiang), Ningpo Fu III Ho.	
1872	Oct. 10	Java, Salatiga in (Semarang) I O.N.T.	
1872	Oct. 30	15h. 53m., p.m. Java, Soekaboemi in the (Preanger) I O.N.T.	
1872	Dec. 10	U.S.A. (Montana), Helena and Deer Lodge I F.R.	
1872	Dec. 12	Italy, Montecassino (Caserta) I B.	
1872	Dec. 15	India, Balchistan, <i>Lehri</i> , Sebri, Shikarpur in (Sind) III F. & Ti.	
1872	Dec. 29	3h. 48m., G.M.T. Philippines, S. Luzon, Manila, <i>Rizal, Cavite, Batangas, Bataan, Zambales</i> provinces and Northern Mindoro II S.M.	
1872	Dec. 29, 30, & 31	Salvador, San Vicente I Mon. Ti. gives III	
1873	Jan. 3	Mexico Morelia in Michoacan, Guanajuato, Jalisco I O.B.	

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1873	Jan. 6	Mexico, Ucareo in Oaxaca II O.B.
1873	Jan. 16	15h. 45m., G.M.T. Philippines (Batangas, N. Mindoro, Tayabas, Cavite, Laguna) I S.M.
1873	Feb. 1-3	Asia Minor, Samos Island II F. & Ti.
1873	Feb. 5	8h. 16m., a.m. Java, <i>Tjiamis</i> and Salaja in Cheribon I O.N.T.
1873	Feb. 22-Mar. 19	Salvador, felt as far as Gracias in Honduras, damage 12 to 15 miles round the capital III Mon.
1873	Mar. 5	Salvador, San Salvador, <i>St. Vincent</i> II F. & Ti.
1873	Mar. 12	Italy (Marches), Camerino, S. Ginesio and Fabriano, also Karlstadt in Croatia II B. & F.
1873	Mar. 18	5h., G.M.T., Philippines, Samar Island, S.E. part II S.M.
1873	Mar. 19	Salvador, San Salvador, <i>St. Vincent</i> III F. & O.D.
1873	Mar. 27	China, Hongkong I F.
1873	Mar. 31	30th, 17h. 58m., G.M.T. Philippines, N. Luzon (Ilocos Norte and Ilocos Sur) II S.M.
1873	April 11	Salvador, San Salvador, <i>St. Vincent</i> , 300 victims III Mon.
1873	May 15	Chile, Valparaiso I F. Mon. gives 14th.
1873	May 16	Italy, Sassuolo (Modena), Reggio and Scandiano I B.
1873	June 10	Peru, Arequipa I F. & H.J.
1873	June 11	15h. 15m., G.M.T. Philippines, N.E. Mindoro, Romblon Island, Marinduque Island I S.M.
1873	June 29	Italy, Belluno, Vittorio, Alpago and many parts of (Belluno and Treviso), and at Venice, Verona III B.
1873	July 5	Argentina, La Plata, Salta, Oran I F.
1873	July 7	Chile, Cuillola, Valparaiso, Santiago, reached southwards to Curico III Mon. & F. Ti. gives II
1873	July 12	Italy, <i>S. Donato</i> , Picinisco, Sora and many other places in (Caserta) II B.
1873	July 19	France, Rhone Valley, Donzère, Viviers, Montélimart I F.
1873	Aug. 9	7h. 53m., a.m. Sumatra, <i>Mandheling</i> , Natal in Batang and over large part of West Sumatra and in Nias III O.N.T.
1873	Aug. 21-26	Guatemala I Mon.
1873	Sept. 11	Italy, Cosenza I B.
1873	Oct. 7	Germany, Darmstadt I Ti.
1873	Oct. 7	5h. 8m., a.m. Sumatra, <i>Klein Mandheling</i> I O.N.T.
1873	Oct. 13	Panama, Aspinwall I Ti.
1873	Oct. 15	Russia, Monastery Kopenkovat, Uman District, Kief Govt. II M. & O.
1873	Oct. 18	6 p.m., ca. Java (Malawar) Mountains and Soekaboemi in the (Preanger) and Batavia I O.N.T.
1873	Oct. 22	Germany, Herzogenrath I F.
1873	Oct. 26	Greece, Zante I Ti. & F.
1873	Nov. 14	9h. 30m., G.M.T. Philippines, S. Luzon, <i>Laguna</i> , <i>Tayabas</i> , and Marinduque Island, Mauban, Lueban, Boac II S.M.
1873	Nov. 22	2h. 12m., G.M.T. Chile, Santiago, Caldera, <i>La Serena</i> I Mon.
1873	Nov. 23	Chile, Valparaiso, Santiago, <i>La Serena</i> and Mendoza II Mon.
1873	Dec. 5	Argentina, Jujey I Mon.
1873	Dec. 13-14	Italy, Mignano and S. Pietro in Fine in (Caserta) I B.
1874	Jan. 17	16th, 20h., G.M.T. Philippines (Sorsogon), Masbate Island I S.M.
1874	Feb. 6	Venezuela, La Guayra, Petare, Caracas II Ti.
1874	Feb. 24	Italy, Aquila I B.
1874	Feb. 28	Japan (Teshio), Yezo II O.
1874	Mar. 16	Mexico, Ayutla, Acapulco, <i>Chilpancingo</i> in (Mexico), Guerrero, Puebla, Morelos, Vera Cruz, origin coast of San Marcos I O.B.
1874	Mar. 29	Algeria, Miliana, Cherchel I F. & Ti.
1874	April 14	13th, 22h. 45m., G.M.T. Philippines, N. Luzon, N. of 16°N. I S.M.
1874	May 4	Asia Minor, Diarbekir and Mardin II F.

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1874	May 16	Germany, Mainz I F.
1874	June 23	China, Hongkong I Ti.
1874	June 27	Turkey, Constantinople I Ti.
1874	July 8	2h. 32m., G.M.T. Philippines, Central Luzon, <i>Pangasianon</i> (Union), <i>Benguet</i> (Nueva Vizcaya,) <i>Casiguran Bay</i> , (Isabela, Tarlac, Zambales, Pampanga, Nueva Ecija and Bulacan) I S.M.
1874	July 28	Persia, Tabriz I F.
1874	Aug. 24	Russia, Nasran Fortress, 16 miles from Vladikavkaz 1 M. & O.
1874	Aug. 25	24th, 22h. 30m., G.M.T. Philippines, W. Mindanao (Zamboanga and Basilan) II S.M.
1874	Aug. 25	Russia, Vladikavkaz, Nasran I F.
1874	Aug. 26	West Indies, Porto Rico I Ti.
1874	Sept. 3	3h. 2m. Guatemala, Antigua, Guatemala, Chimaltenango, Amatitlan, Escuintla, 116 lives lost III F., Mon., & O.D.
1874	Sept. 16	2h. 9m., G.M.T. Philippines, E. Luzon (Tayabas), <i>Casiguran Bay</i> (N. Camarines, Laguna, Rizal, Bulacan, Nueva Ecija and Nueva Vizcaya) II S.M.
1874	Sept. 17	Italy, Parma, San Pier d'Arena and other places in the north I B.
1874	Sept. 26	West Indies, Antigua III Ti.
1874	Sept. 26	Italy, Randazzo in Catania I B.
1874	Oct. 7	Italy, Tossignano, Modigliana, Firenzuola and other places in (Romagna) I B.
1874	Oct. 17	Malta I Ti.
1874	Oct. 18	Afghanistan, Cabul III F.
1874	Oct. 26	Chile, Valparaiso, Santiago I Ti.
1874	Nov. 7 & 8	France, Nièvre, Corvol-l'Orgueilleux I F.
1874	Nov.	Afghanistan, Cabul II Ti.
1874	Nov. 13	Mexico, Jalapa in Vera Cruz, Oaxaca, Tlaxcala, Puebla, Mexico, Guanajuato II O.B.
1874	Nov. 19	Mexico, Puebla, Oaxaca, Colima I O.B. See Nov. 13.
1874	Dec. 1	Iceland, Northeastland, Myvatnsveit, some houses damaged I Th.
1874	Dec. 6	Italy, Sora, Arpino, Arce and neighbourhood in (Caserta) I B.
1875	Jan. 1	Chile, Coquimbo, La Serana I Ti.
1875	Jan. 8	Italy, Acireale and neighbourhood in (Catania) I B.
1875	Jan. 14	Germany, Ronsdorf I F.
1875	Feb. 11-27	Mexico, Guadalajara, east to Leon, north to Chalchihuites south to Zacoalco, <i>San Cristobal</i> , Guanajuato III F., O.B.
1875	Mar. 9	8th, 19h. 30m., G.M.T. Philippines (Abra and Mountain Provinces) II S.M.
1875	Mar. 11	Mexico, <i>San Cristobal</i> and Colima I O.B.
1875	Mar. 18	Italy, Rimini, Cesena, Cervia, throughout Central Italy and a large part of Northern Italy I B.
1875	Mar. 28	New Caledonia, Loyalty Islands, Lifu; sea waves III F
1875	April 9	Peru, Truxillo II F. Not given by Mon.
1875	April 26	India, Darjeeling I Ti.
1875	April 26	Austria (Silesia), Kattowitz, Königshütte I F.
1875	April 29	Greece, Kiparissa II F.
1875	May 3-5	Asia Minor, <i>Ischikli</i> , 1,000 houses destroyed, <i>Yoril</i> , <i>Yaka</i> III F.
1875	May 12	Asia Minor, Uschak III F.
1875	May 16-18	On the later date at 11 a.m. Colombia and Venezuela, <i>Seberalina</i> , <i>Cucuta</i> , San Cayetano, Santiago, P. de Arboletes, San Cristobal, S. Antonio, Capacho, Guasimo, Verena, Tarida, Rosario, Salazar, 16,000 lives lost III Ti., O.D.
1875	May 19	3h. 30m., G.M.T. Philippines, S.E. Luzon (Carmaines), <i>Nueva Caceres</i> , Iriga, Buhi, etc. II S.M.
1875	June 9	Spain, Barcelona I Ti.
1875	June 18	U.S.A. (Ohio, Indiana, Illinois) I Ti.
1875	July 25	Russia, Crimea, Sebastopol I M. & O. & Ti.
1875	Aug. 7	Caucasia, Shemaka and its district III M. & O.
1875	Aug. 17	Austria (Galicia), Lubin, Lemberg, Doehobyczow. I F.

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1875	Sept. 3 and following days	15h. 37m. local. India, Assam, Shillong, Gauhati, Tezapore, Shibsagar, Nowgong II O.D.
1875	Sept. 14	New Zealand, Gisborne, Wellington, Blenheim I Ti.
1875	Oct. 24	11h. 32m., p.m. Java, <i>Menendjaja</i> , Bandeong, and elsewhere in the Preanger and in Cheribon I O.N.T.
1875	Nov. 23	Germany, Saxony, Reichenbach, Auerbach, Plauen I F.
1875	Dec. 5	Peru, Abancay I H.J. F. gives Jan. 5, 1876, and III
1875	Dec. 6	Italy, S. Giovanni Rotondo and S. Marco in Lamis in (Foggia) and over northern parts of Central Italy II B.
1875	Dec. 8	West Indies, Porto Rico, <i>Arecibo</i> II F.R.
1875	Dec. 12	India, Lahore, Peshawar II F. & Ti.
1875	Dec. 13	Java, North Coast, Koeningen, Cheribon, 1,053 habitations destroyed III F.
1875	Dec. 20	West Indies, Porto Rico, Arecibo II F. & Ti. See Dec. 8
1876	Jan. 4-5	Peru, Abancay, Dept. Apurimac III F. Not given by Mon. or H.J.
1876	Feb. 11	Chile, Illapel, Salamanca and Chalinga II Mon.
1876	Feb. 12	Russia, Caspian Sea, Island of Arhamoede? III F.
1876	April 5	Argentina, Buenos Ayres I Ti.
1876	April 28	10h. 43m., p.m. Java, <i>Bandjarnegara</i> in (Banjoemas), Bagelen, Kadoe, Tegal in (Pekalongan) I O.N.T.
1876	April 29	Italy, Monte Baldo in (Verona) I B.
1876	May 20	Italy, Spoleto in (Perugia) I B.
1876	May 28	3h. 57m., a.m., Moluccas, Amboina I O.N.T.
1876	May-June	Italy, Corleone (Palermo) I B.
1876	June 18-26	Greece, Corinth, Athens, Euboea, Volo II F. Ti. gives June 29.
1876	July 9	Greece, Corinth II F.
1876	July 17	Austria, Vienna, from Passan to Pressburg, centre near Scheibbs I Ti. & Ra.
1876	July 19	New Zealand, Wanganui, Blenheim, Napier I Ti.
1876	Aug. 4	China (Yunnan), Yungping, Yungchang Fu III Ho.
1876	Aug. 12	Greece, Patras II Ti.
1876	Sept. 13	Italy (Calabria), Reggio I B.
1876	Oct. 17	Germany, Dortmund I F.
1876	Oct. 26	Italy, Palestrina and neighbourhood in (Latium) I B.
1876	Nov. 10	Chile and Argentina, Mendoza, Illapel, Salamanca and Chalinga I Mon.
1876	Dec. 6	Hungary, Mohács I F.
1877	Feb. 21	10h. 52m., a.m. Java, <i>Ledok</i> in Bagelen, Tegal (Preanger, Banjoemas and Pekalongan) I O.N.T.
1877	Mar. 5	Sweden (Nerke), Hallsberg I F.
1877	April 4	Austria, Karlstadt I F.
1877	May 9	Chile, Peru, Arequipa, Cobija, Tocopilla, Iquique, Tarapaca, Arica, origin 71°W. 21°5S.; sea waves III F. & Mon.
1877	May 14	Peru, Callao, Lima I F.
1877	May 17	Bolivia, La Paz I Mon.
1877	June 2	3h. 6m., G.M.T. Philippines, Central Luzon, N. & N.E. (Pangasinan) I S.M.
1877	June 24	Germany, between Cologne and Aix La Chapelle, Herzogenrath I F. & Ti.
1877	June 24	23rd, 23h., G.M.T. Philippines (Batangas, Cavite), <i>Lake Bombon</i> II S.M.
1877	July 5	4h. 7m., G.M.T. Philippines, S.E. Luzon, and the Vizayas, Camarines (Albay and Masbate) II S.M.
1877	July 23	8h. 24m., G.M.T. Philippines, north part of Leyte Island, <i>Carigara</i> II S.M.
1877	July 26	Chile, Coquimbo, Chinbo and Tamaya II Mon.
1877	Aug. 8	Caucasia, Georgia, Oni and Utseri, 43°33N. 42°40E., on River Rion I M. & O.
1877	Aug. 24	Italy, Veroli (Latium) I B.
1877	Aug. 29	Chile, Caldera, Coquimbo, Vallenar II Mon.
1877	Oct. 8	Switzerland, Geneva I F. & Ti.
1877	Oct. 12	U.S.A. (Oregon), Portland I F.R.
1877	Oct. 13	Turkey, Island of Marmora II F.
1877	Nov. 26	Peru, Chachapoyas II F.
1877	Dec. 23	Italy, Viterbo (Latium) I B.

A.D.			
1877	Dec. 28	Austria, Styria, Neumark, Judenberg	I F.
1878	Jan. 10	New Hebrides, Tanna Island ; sea waves	II F.
1878	Jan. 20	Sandwich Islands, Maui ; sea waves	II F.
1878	Jan. 23	Peru and Chile, earth motion extended from Iquique to Arequipa, <i>La Noria</i> , <i>Pica</i> (Tarapaca, Mantilla), Piasagua, Arica, Callao : sea waves inundated coastal towns	III F., Mon. Ti. gives I
1878	Feb. 11	New Hebrides, Tanna, with sea waves	I F.
1878	Feb. 12 or 13	Italy, Cascia (Perugia)	I B.
1878	Feb. 28	Chile, Tarapaca	I F.
1878	Mar. 2	India, Punjab	I O.D.
1878	Mar. 3	Hungary, Makó	I F.
1878	Mar. 12	Italy (Bologna, Romagna)	I B.
1878	Mar. 22	Mexico, <i>San Cristobal</i> and <i>Guadalajara</i>	I O.B.
1878	Mar. 28	Russian Turkestan, Bakhti Fort in Sergiopol district	I M. & O.
1878	Mar. 31	Caucasia, Gorachevodsk convict settlement	II M. & O.
1878	April 12	Venezuela (Bolívar), <i>Gua</i> , Caracas	III F.
1878	April 19	Asia Minor, <i>Ismid</i> , <i>Esme</i> , <i>Sapardjia</i>	III F.
1878	May 4	Caucasia, Village Ullu-gatam in S. Daghestan	II M. & O.
1878	May 13	Venezuela, Caracas, <i>Gua</i> I Ti. See April 12.	
1878	May 22-31	Mexico, Loreto in Lower California	II O.B.
1878	June or July	New Hebrides, Tanna	II Ti.
1878	June 7	Italy, Cartignano (Cuneo) and neighbourhood	I B.
1878	July 16	Caucasia, Fort Kishan-áukh, Terek prov. and neighbourhood	I M. & O.
1878	Aug. 13	4h. 14m., G.M.T. Philippines, epicentre S.W. of Luzon, near the west of (Cavite and Zambales); it was felt from Mindoro to (Union and Isabela)	I S.M.
1878	Aug. 21	Austria, Croatia, Nassenfuss	I F.
1878	Aug. 26	N.W. Germany, Cologne, Rhine provinces from Cleve and Emmerich to Kyllburg and Ottweiler	I F.
1878	Aug. 27	Siberia, River Irtish, Omsk	I Ti.
1878	Aug. 29	U.S.A., Alaska, Makuslin in Unalaska Island	II F.R.
1878	Sept. 9	7h. 45m., p.m. Colombia, Popayan	II O.D.
1878	Sept. 10	Italy, Fivizzano and neighbourhood in (Massa)	I B.
1878	Sept. 15	Italy, Bettone, Giano, Foligno, Spoleto and other towns in (Umbria)	II B.
1878	Sept. 17	16th, 16h. 50m., G.M.T. Philippines, S.E. Mindanao, Davao District, near Mt. Apo	II S.M.
1878	Oct. 2	Salvador, San Salvador, Usulatan, <i>Jucuapu</i> ruined, S. Maria, Tecapa, Chenameca, many villages ruined and lives lost	III Mon., F. & Ti.
1878	Oct. 4	Italy, Mineo and neighbourhood in (Catania)	I B.
1878	Oct. 4	U.S.A., Hudson River, Marlborough, Peekskill	I Ti.
1879	Jan. 8	Russia, Alagir, 43°2N. 44°7E., Perek prov.	I M. & O.
1879	Feb. 2	Chile, Argentina, Terretorio, Magallanes and Tierra de Fuego	I Mon.
1879	Feb. 23	Italy (Cascia), Norcia and Terravall in (Perugia)	I B.
1879	Mar. 13-Apr. 2	Persia, Tabriz to Mianeh, Zendjan, <i>Maran</i> , <i>Tark</i>	III F.
1879	Mar. 28	Midday, Java, Tjianjoer and other places in the (Preanger, Batavia, Bantam, Cheribon and Tegal)	II O.N.T.
1879	April 27	Italy, Casio, Modegliana and neighbourhood in (Romagna)	I B.
1879	May 2	Russia, Bessarabia, Schaba in Soroki	II F.
1879	May 17	Mexico, Vera Cruz to Mexico; <i>Orizaba</i> , <i>Cordoba</i> , Puebla, Oaxaca	I O.B.
1879	June 5	11h. 25m., a.m. Java, <i>Rangkas Bitoeng</i> and other places in (Bantam, Batavia and Cheribon)	I O.N.T.
1879	June 11	Canada, St. John, Montreal	I Ti. Probably small.
1879	June 29-July 1	China (Shensi), <i>Chishan</i> in Fenghsiang Fu, Hanchung Fu, Hsian Fu ; (Chihli), Taining Fu	III Ho.
1879	July 1	June 30th, 18h. 38m., G.M.T. Philippines, N.E. Mindanao (Surigao)	III S.M. There followed other very strong earthquakes on July 5, 24 and Aug. 8.
1879	July-Aug.	Italy, on the eastern side of Etna	I B.
1879	Aug. 29	28th, 22h., G.M.T. Philippines, Mindanao, <i>Cotobato</i>	I S.M.

A.D.

1879	Sept. 28	Philippines, Mindanao, Davao I S.M.
1879	Oct. 9	Russia, Varenska, Gostagaievska, 45°2N. 37°27E., Troitzkaya 45°8N. 38°6E., and Kurgan 44°56N. 40°15E., stations in (Trans-Kuban) Prov. I M. & O.
1879	Oct. 10	Hungary and Servia, Drenkova, Vel. Gradiste, Zelenik, Kudrez and Golubae II F. & O.D.
1879	Oct. 14	1h., G.M.T. Philippines (Ilocos Norte), <i>Baccarra</i> II S.M.
1879	Oct. 14	Austria, Old and New Moravia, Golubacz near Weisskirchen II F.
1879	Oct. 28	S. Hungary and felt in Transylvania, Servia, Roumania, and Bessarabia III M. & O.
1879	Oct. 31	Hungary, Gross-Szentr-Miklós I F.
1879	Nov. 21	Hungary, Temesvar I F.
1879	Dec. 19	Philippines, N. Luzon (Ilocos Norte), Lavagan and other towns II S.M.
1879	Dec. 29	Switzerland, Morges, Montreux, Aubonne, Ouchy I Ti.
1879	Dec. 31	Salvador, San Salvador, <i>Illapango</i> , <i>San Marcos</i> , <i>Santa Somas</i> , Sayapango III F. & Mon.
1880	Jan. 7	Switzerland, Grisons I Ti.
1880	Jan. 7	Mexico, Matehuala in San Luis Potosi and <i>Doctor Arroyo</i> in Nuevo Leon I O.B.
1880	Jan. 24	Germany, Pfalz, part of Baden, Württemberg I F.
1880	Jan. 25	West Indies, Cuba, San Cristoval, Cienfuegos, Havana III Ti.
1880	Feb. 12	Austria, Karlstadt I F.
1880	Feb. 21	Hungary, Severin near Karlstadt I F.
1880	Feb. 22	Japan, Yokohama I Mi.
1880	Mar. 17	Austria, Karlstadt I F.
1880	Mar. 23	Turkestan, Samarkand I F.
1880	Mar. 28	27th, 21h. 4m., G.M.T. Philippines, E. Panay, N.W. Negros I S.M.
1880	Mar. 28	Asia Minor, near Sinope, Haleddi II F. & Ti.
1880	April 16	Mexico, Acapulco, San Marcos, origin coast of San Marcos I Bo.
1880	June 15	Hungary, Nagy-Berezna, Pereseny and Uzsok I F.
1880	July 4	Throughout Switzerland, Brieg, Zug I F. Same as under.
1880	July 4	Italy, Varzo and <i>Valvedro</i> at the foot of the Simplon and as far as Milan, centre in the Valais I B.
1880	July 15	14th, 16h. 53m., G.M.T. Philippines, east range of Luzon (Tayabas, Laguna), east of <i>Lake Bay</i> II S.M.
1880	July 18	4h. 40m., G.M.T. Philippines, Central and South Luzon (Tayabas, Cavite, Laguna, Rizal, Bulacan, Bataan, Pampanga, Tarlac, Nueva Ecija, Pangasinan), especially on the banks of River Pasig, the Great and Little Pampanga and the Agno III S.M.
1880	July 20	7h. 40m., G.M.T. Philippines (Bulacan, Bataan, Pampanga, Tarlac), <i>Manila</i> , most violent in the towns surrounding Lake Bay, especially south and west of the Lake III S.M.
1880	July 22	Asia Minor, Smyrna II F.
1880	July 29	Asia Minor, Smyrna, district Menemen, Cassaba, Burnabadi, felt in Mitylene, Chios and Samos III F. & Ti.
1880	July 24-28	Italy, Ischia and Ventotene I B. & C.V.
1880	Aug. 15	Chile, Aconcagua, <i>Illapel</i> , Valparaiso, <i>Quillota</i> and to Coquimbo I Mon. & Ti. F. gives 14th and II
1880	Aug. 19	Argentina, Mendoza I Mon.
1880	Sept. 1	4h. 35m., p.m. Java, Sumatra, <i>Bantam</i> , Tangerang in (Batavia, Preanger), Lampong I O.N.T.
1880	Sept. 2	Greece, Kalavrita, Strezoba, Dára I F.
1880	Sept. 23	14h. 30m., G.M.T. Philippines, W. Luzon (Zambales) coast I S.M.
1880	Sept. 29	U.S.A., Alaska, Ukmok Island I F.
1880	Oct. 3	Hungary, Klausenburg, Maros I F.
1880		Caucasia, Shemaka I M. & O.
1880	Oct. 26	U.S.A., Alaska along the coast, Sitka II F.

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1880	Nov. 9	Hungary, Agram and Laibach, Pettau, Gurkfeld, earthquake felt from Krems in the north, Pest in the east, Serajewo and Pola in the south, Gorz and Klagenfurt in the west I F.
1880	Nov. 14	Austria, Innsbruck, Hall I F.
1880	Dec. 2	Russian Turkestan, Shemaka, Verny extending to Kurum-dof 39°35N. 73°40E. and Karakul I M. & O. F. gives II
1880	Dec. 11	Hungary, Agram I F.
1880	Dec. 18	Caucasia, Shemaka II F. & Ti.
1880	Dec. 25	Roumania and Russia, Tekutsh, Washui near Jassy, Bessarabia, Odessa I F.
1881	Jan. 5	6h. 12m. a.m. Celebes and Timor, Koepang I O.N.T.
1881	Jan. 27	Switzerland, Berne I F.
1881	Jan. 28	Russia, Narva, Korff, Logena, Repnik, Iwangorod, or Nowgorod I F.
1881	Jan.-Nov.	Italy, Bologna, Scanello, Quaderna and elsewhere in (Romagna) I B.
1881	Jan. 31	Russia (Transbaikalia), Petrovsk I M. & O.
1881	Feb. 1	Hungary, Carniola, Laibach to Agram I F.
Beginning of	Feb.	France, Breauté, Goderville near Rouen I F.
	Feb. 12	Italy, Coda de Volpe, Macchia and neighbourhood near (Etna) I B.
1881	Middle of Feb.	Azores, San Miguel III F.
1881	Feb. 25	Hungary, Agram I F.
1881	Feb. 27	Hungary, St. Ivanelina near Agram, Glavnica I F.
1881	Mar. 4	Italy, Ischia, Casamicciola, Fango, Lacco-Ameno II B.
1881	April 3	Asia Minor, Chios Island, Castro, centre at Nevita and East Coast, 4,181 lives lost III F.
1881	April 9-10	Asia Minor, Chios II F.
1881	April 10	U.S.A., California, Santa Clara Valley, Modesto, centre in San Joaquin Co. I F.R.
1881	April 11	Bohemia, Kladno I F.
1881	April 15-30	Nicaragua, Managua, San Juan del Sur I F. & Mon.
1881	May 20	Asia Minor, Chios II F. Continuation of April 3.
1881	May 30	Asia Minor, Van, Village of Tegut and environs III M. & O. F. gives June 7th.
1881	June 9	Switzerland, Lake Geneva, Martigny, Monthey, Bex, Aigle, Montreux, Lausanne, Morges, Geneva, Berne I F.
1881	June 10	Asia Minor, Chios I F.
1881	June 10	Formosa, Unrin I H.
1881	July 11	4h. 35m., G.M.T. Philippines, S. Panay and N.W. Negros Island II S.M.
1881	July 19	Austria, Tyrol, Arzo I F.
1881	July 22	Switzerland, Geneva, St. Julien, Macon, Neuchâtel, Berne, Basel I F.
1881	July 22	France and Italy, southern part of Savoy and adjacent parts of Italy I B.
1881	July 27	8h. 30m., G.M.T. Philippines (Nueva Vizcaya), Bayombong II S.M.
1881	Aug. 26	Asia Minor, Chios, Tschesme III Ti. & F.
1881	Aug. 26	England, Nottinghamshire I M. & W.
1881	Aug. 28	Persia (Azerbaijan), Choi, Tabriz II F.
1881	Sept. 1	4h. 20m., G.M.T. Philippines (Nueva Vizcaya), Bayombong III S.M.
1881	Sept. 10	Italy, Orsogna, Lanciano and other places in (Chieti) II B.
1881	Sept. 18	17th, 20h. 55m., & 18th, 14h. 40m., G.M.T., two earthquakes. Philippines (Nueva Vizcaya), Bayombong II S.M.
1881	Sept. 20 to Oct. 15	6h. 25m., G.M.T. Philippines (Nueva Vizcaya), Bayombong II S.M.
1881	Sept. 28	Armenia, Tschangri ? Tschanderli in Asia Minor II F.
1881	Sept. 30	Sandwich Islands, Honolulu, Maui Island I F. & Ti.
1881	Oct. 25	Japan (Nemuro), Kunashiri, Kuril Islands II O.
1881	Nov. 5	Austria (Carinthia), Klagenfurt, Villach, Tamsweg, St. Michael I F.

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1881	Nov. 18	Switzerland and Austria, St.Gallen, Ragaz (Appenzell) I F.
1881	Nov. 24	Samoa, Tonga II F.
1881	Nov. 30	Hungary, Agram I F.
1881	Dec. 5	New Zealand, Christchurch I O.D.
1881	Dec. 20	Kamtcheon ? Kamechik in Bulgaria II Ti.
1881	Dec. 29	Asia Minor, Kiangri II Ti.
1881-1882		Italy, Latera, Rocca Respampani and elsewhere in (Viterbo) I B.
1881	Dec. 31	Indian Peninsula and Bengal, <i>Port Blair</i> , Andema and Nicobar Islands I O.D.
1882	Jan. 23	China, Prov. of (Kancheou) III F.
1882	Jan. 24	Switzerland (Tyrol), Tannheim, Schattwald I F.
1882	Jan. or Feb.	Ceylon, Trincomali: sea waves II F.
1882	Feb. 27	Switzerland, Tyrol, <i>Veltlin</i> , Bondo, Val Bregaglia and Brescia I F.
1882	Feb. 27	Italy, Castione, Rovetta, etc. in (Bergamo) I B.
1882	Mar. 2	8h. 57m., G.M.T. Guatemala, Guatemala, <i>Antigua</i> , Salama I F & O.D.
1882	Mar. 3	Costa Rica, San José, Gracia, Cartago II Mon. & F.
1882	Mar. 6	Argentina, Dept. of Paulin, Catamarca II Mon.
1882	Mar. 10	4h. 57m., p.m. Java, <i>Pekalongan</i> (Bantam and Banjoe-mas) I O.N.T.
1882	Mar. 21	Asia Minor, Chios I Ti.
1882	Mar. 26	Italy, Cascia in Perugia and all around I B.
1882	April 10	11h. 30m., G.M.T. Philippines (Cotabato), Mindanao I S.M.
1882	May 3	Azores, Fayal II Ti.
1882	May 17	Asia Minor, Island of Scarpanto I F.
1882	June 6	Italy, Isernia, <i>Monteroduni</i> , Longano in (Campobasso) II B.
1882	June 9	6h., ca. Guatemala, Guatemala I O.D.
1882	July 17	Austria (Carniola), <i>Sessana</i> , Laibach, Loitsch I F.
1882	July 19	Caucasia, Temir-Khan-Shura I M. & O.
1882	July 19	Mexico, <i>Mexico</i> , <i>Puebla</i> , <i>Oaxaca</i> , <i>Vera Cruz</i> , Morelos, Jalisco, Tehuantepec III O.B.
1882	Sept. 7	Central America, <i>Panama</i> , <i>Aspinwall</i> , Caracas, Nicaragua, Rivas, Greytown, Colombia, Buenaventura and Cartagena, Ecuador, Guayaquil to Maracaibo III F. & F.R.
1882	Oct. 10	8h. 57m., G.M.T. Philippines, S.E. Luzon (Camarines), <i>Nueva Caceres</i> II S.M.
1882	Oct. 13	India (Assam), Silchar II O.D.
1882	Oct. 29	Iceland, North coast of Thistillfjördr I Th.
1882	Dec. 2	China (Chihli), Paoting, Tinghsing in Paoting Fu, Hochien Fu, Tienstin Fu II Ho.
1882	Dec. 6	Philippines, North part of Cebu Island, South Masbate, <i>Bantayan</i> II S.M.
1882	Dec. 7	Mexico, San Marcos I Bo.
1882	Dec. 21	Iceland, Akureyri I Th.
1883	Feb. 10	9th, 19h. 28m., G.M.T. Philippines (Nueva Vizcaya), Benguet in (Abra) II S.M.
1883	Mar.	Italy, neighbourhood of Etna, connected with an eruption I B.
1883	Mar. 8	Colombia and Panama, Derien (Antioquia), Santa Rosa, Yarumal I F. & Mon.
1883	April	India, Peshawar II F. & Ti.
1883	May 3	Persia, Tabriz and most of (Azerbaijan) III M. & O. & F.
1883	May 19	Ecuador, Latacunga II F.R.
1883	June	Austria (Bukowina) II Ti.
1883	July 28	Italy, Casamicciola in (Ischia) III B.
1883	July	Salvador, San Salvador I Mon.
1883	Beginning of Aug.	Mexico, Pachuca II F. Not given by Bo.
1883	Aug. 5	Greece, Thermia Island, Kystrnos II F.
1883	Aug. 20	Mexico, Patchusa II Ti.
1883	Aug. 27	East Indies, Straits of Sunda with eruption of Krakatoa and sea waves III F.
1883	Sept. 22	Sumatra, Tanahdatar in the Padangsche Bovenland I O.N.T.

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1883	Oct. 1	Peru, Arequipa I Mon. & H.J.
1883	Oct. 6	U.S.A., Alaska, eruption of Augustin and sea waves I F.
1883	Oct. 9	Algeria, Philippeville, Jemnappes, Stora I F.
1883	Oct. 10	Austria, Olmütz, Stephanau I F.
1883	Oct. 15	Greece and Asia Minor, Syra, Chios, Smyrna, <i>Avalik</i> and villages between <i>Vurla</i> and <i>Chesmeh</i> , 3,600 houses destroyed III F.
1883	Nov. 1	Asia Minor, Island of Klazomena near Smyrna, Karatoi, Purgi III F.
1883	Nov. 3	Asia Minor, Karakoyunli, 30 miles from Erivan II M. & O.
1883	Nov. 14	Russian Turkestan, Tashkent and Osh in Fergana I M. & O.
1883	Nov. 18-24	Russia, Sultanabad, 20 miles from Osh and Osh II M. & O.
1883	Nov. 25	9h. 16m., p.m. Moluccas, <i>Saparoea</i> and other places in Amboina II O.N.T.
1883	Dec. 2 or Jan 2,	
	1884	Asia Minor, Sadikli near Brussa I F. & Ti.
1883	Dec. 22	Portugal I Ti.
1883	Dec. 26	Bosnia, Zepce I Ti.
1884	Jan. 10	9th, 23h. 22m., G.M.T. Philippines, S.E. Luzon (Camarines), Nueva Caceres II S.M.
1884	Jan. 23	Asia Minor (Kostambul or Kastamuni), Ka'adjik I F.
1884	Jan. 26	China (Yunnan), Tali Fu II M. & O.
1884	Jan.	Formosa, Unrin I H.
1884	Feb. 10	Asia Minor, Bitlis, Biroari II F.
	Beginning of	
1884	Mar.	Persian Gulf, Muskat, Nedjd III F.
1884	Mar. 6	Salvador, San Salvador I Mon.
1884	Mar. 24 & 27	Hungary (Salavonia), Diakovar I F.
1884	Mar. 29	Asia Minor, Sinope I Ti.
1884	April 22	England, Colchester I R.
1884	May 12	8h. 17m., p.m. Celebes, Gorontalo in Menado I O.N.T.
1884	May 13	Asia Minor, Panderma, Crevassa II F.
1884	May 19	Persian Gulf, Kishim Island III F.
1884	June	Formosa, Unrin II H.
1884	June 5	Philippines, N. Mindanao, <i>Misamis</i> I S.M.
1884	July 18	5h. 18m., p.m. Sumatra, <i>Manna</i> and <i>Lais</i> in (Benkoelen) II O.N.T.
1884	July 23	Egypt, Massowah in the Red Sea I F. Ti. gives July 20 III
1884	Aug. 10	U.S.A., Virginia to Vermont I Ti.
1884	Sept. 2	Austria, Neustadt, Vienna, Voslan I Ti.
1884	Sept. 12	Italy, Pontoglio (Brescia) I B.
1884	Sept. 18	U.S.A. and Canada, Windsor (Ontario), Grasslake (Michigan), Toledo (Ohio, Kentucky) I F.
1884	Oct. 15	Japan (Musashi) I N.
1884	Oct. 29	28th, 20h. 10m., G.M.T. Philippines, S. & S.E. Luzon (Laguna, Tayabas, Camarines, Albay, Sorsogon) and Masbate Island I S.M.
1884	Nov. 2	Iceland, Tingeyjarsyslu, Husavik, some houses slightly damaged I Th.
1884	Nov. 5	Panama, Aquadalec, Pacoria II Mon. & F.
1884	Nov. 6	Colombia, Cali II F.
1884	Nov. 26	Bolivia I Mon.
1884	Nov. 27	France and Italy, most destructive in Briançon, France; Cesana, Melegnate and other places in (Piedmont) I B.
1884	Dec. 19	Caucasia, Shusha I M. & O.
1884	Dec. 24	23rd, 21h., G.M.T. Philippines (Samar, Leyte and N.E. Mindanao) I S.M.
1884	Dec. 25-27	Spain (Malaga and Granada), <i>Alhama</i> , <i>Malaga</i> , Seville; 40-50 towns damaged III F.
1884	Dec. 30	Spain, Granada I F. Continuation of Dec. 25.
1884	Dec. 31	Spain, Valez, Torrox, Albuneulas II F. Continuation of Dec. 25.
1885	Jan. 1	Spain, Velez, Nerja, Torrox II F. Continuation of Dec. 25, 1884.

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1885	Jan. 4	Austria (S. Styria) I Ti.
1885	Jan. 5	Spain (Andalusia), Nerja, Trijliano II F.
1885	Jan. 12	Spain, Malaga and Granada I F.
1885	Jan. 12	Siberia, Villages of Kabansk and Bargusinsk, east of Lake Baikal I M. & O.
1885	Jan. 14	China (Shensi), <i>Chishan</i> in Fengsiang Fu III Ho.
1885	Jan. 15	India, Cashmere, Srinagar I N.
1885	Jan. 24	Italy, Porto Maurizio (Liguria) I B.
1885	Jan. 25	Iceland, Northland, Kelduhverfi, many houses damaged III Th.
1885	Jan. 27	Spain, Tejede, boundaries of (Malaga and Granada) II F.
1885	Jan. 29	Spain (Andalusia), Montril, Alhama I F.
1885	Jan. 31	Algeria, Msila II Ti.
1885	Feb. 8	Spain, Malaga, Meluna I F.
1885	Feb. 12	3h. 8m., a.m. Java, <i>Wonogiri</i> and elsewhere in Soerakarta and over most of Java I O.N.T.
1885	Feb. 13	Spain, Torre del Campo II F.
1885	Feb. 21	Spain (Andalusia), Loja and Alhuma II F.
1885	Feb. 22	7h. 30m., G.M.T. Philippines, E. Mindanao, along the Pacific Coast (Surigao), Bislig, Caraga II S.M.
1885	Mar. 6	Germany, Triberg, Schonwald I F.
1885	Mar. 27	Greece (Peloponnes), <i>Argos</i> , <i>Khelmos</i> , Missolunghi, Megalopolis, Corinth, Patras III F.
1885	April 5 & 6	Spain (Malaga), Velez, Antequera II F.
1885	April 9	France, Dôme II Ti.
1885	April 13	Switzerland from Genoa to Valley de Joux, Neuchâtel, Interlaken, <i>Simmenthal</i> I F.
1885	April 19	Spain (Malaga), Andalusia, Villanuova I F.
1885	April 30	5h. 53m., a.m. Moluccas, <i>Kajelie</i> and other places in Amboina III O.N.T.
1885	May 1	Austria (Styria), Valley of Mürz, Mur, Murzsteg, Ottenheim, Leoben, Mittersdorf, Wartberg I F.
1885	May 3	11h. 29m., p.m. Java, <i>Java's 1st Point</i> in (Batam, Batavia and Preanger) I O.N.T.
1885	Middle of May	Central Asia, Village of Sikukh? Kusitch, N.W. of Derbent II M. & O.
1885	May 30	India, Cashmere, Sopor, Musaserabad, 2,000 lives lost, Srinagar III O.D.
Beginning of		
1885	June	Caucasia, Sikutch? Kusitch, N.W. of Derbent III F.
1885	June 6	India, Cashmere, Dubgaon, Jamalapor, Ovan III F.
1885	Middle of June	Russia, Village of Shishkina, 33 miles from Orenburg II M. & O.
1885	June 17	Italy, <i>Morro Reatino</i> , Rivodutri, Riete and elsewhere in (Sabina) I B.
1885	June 20	West Switzerland (Vaud), Payerne, Neuchâtel, Yverdon I F.
1885	July 1	Italy, Vernante (Cuneo) I B.
1885	July 14	India, East and Middle Bengal, <i>Bogra</i> , <i>Dacca</i> , <i>Azimganj</i> , <i>Calcutta</i> , <i>Aheripare?</i> Alipore II F.
1885	July 23	14h. 45m., G.M.T. Philippines, N.E. Mindanao, Dapitan district III S.M.
1885	July 24	India, Rungapur, <i>Nattore</i> and Bengal II F.
1885	Aug. 2	Russian Turkestan, <i>Belovodsk</i> , Karabalti, Tashkent, <i>Pisch-pek</i> , <i>Sukuluk</i> to Verny and Ilisk III M. & O. & F.
1885	Aug. 3	Mexico, <i>Tehuantepec</i> , Oaxaca, Morelos I O.B.
1885	Aug. 26	Austria (Styria), Valley of Mürz I F.
1885	Sept. 13	Midday. Java, Edam Island in (Batavia) I O.N.T.
1885	Sept. 17	Italy, Benevento and neighbourhood I B.
1885	Sept. 30	29th, 2h., G.M.T. Philippines, N. Mindanao, S.E. Leyte I S.M.
1885	Sept.-Oct.	Italy, Nicolosi near Etna I B.
1885	Oct. 9-25	Russian Turkestan, Tokmak district, 42°50N. 75°25E., Semirechie I M. & O.
1885	Oct. 30	Japan, Northern Japan I N.
1885	Nov. 5	6h. 3m., a.m. Java, <i>Tjipanes</i> (Preanger, Bantam, Batavia), Krawang and (Semarang) I O.N.T.
1885	Nov. 17	6h. 55m., a.m. West Indies, Trinidad I O.D.
1885	Nov. 19	U.S.A., California, San Francisco, 1 to 8 p.m., with sea waves I N.

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1885	Nov. 19	13h. 31m., G.M.T. Philippines, N. Luzon (Nueva Vizcaya, Isabela), Bayombong, Ilagan II S.M.	
1885	Nov. 22	Guatemala, Amatitlan II Mon.	
1885	Nov.	Spain (Malaga), Velez, Malaga (Andalusia) and opposite African Coast I N.	
1885	Dec. 2	Asia Minor, Karahsitar, Kemer I N.	
1885	Dec. 3-13	Algeria, <i>M'Sila, Mascara, Blidah</i> , Bou Saada, <i>Médéa</i> , Bourunda and Setif III F.	
1885	Dec. 13	Asia Minor, Aidin, Denizlu I N.	
1885	Dec. 18	Guatemala, Guatemala, Amatitlan III F. & Ti.	
1885	Dec. 26	Italy, Molise I B.	
1886	Jan. 4	Russia, Tchembar, Penza Govt. I M. & O.	
1886	Jan. 8-9	Greece, Roumelia I N.	
1886	Jan. 18	Guatemala, Amatitlan, 131 shocks III N.	
1886	Jan. 23	Hungary (Croatia), Jaska and Samobor I N.	
1886	Jan. 29	Spain, Velez, Malaga I Ti. & N.	
1886	Jan. 29	Algeria, Setif I N.	
1886	Feb.-July	Italy (Calabria) I B.	
1886	Mar. 14	Spain (Granada) I N.	
1886	April 10	0h. 0m., G.M.T. Philippines, S.E. Panay, N.W. Negros Island I S.M.	
1886	May 7	1h. 45m., a.m., and May 17, 3h. 53m., a.m. West Indies, Trinidad I O.D.	
1886	May-July	Italy, Eastern flank of Etna, connected with an eruption I B.	
1886	June 27	Caucasia, Shemaka I M. & O.	
1886	July 6	Spain (Malaga) I Ti.	
1886	July 23	Japan (S. Echigo, N.E. Shinano) I Mi.	
Aug. 15 to end of			
1886	Sept.	Malta I O.D.	
1886	Aug. 27	Midnight. Greece, Ionian Islands, S.W. Peloponnesus, Dept. of Messenia, Filiatra, Gargaliano, Marathupolis, also all Italy, Egypt, Malta and Syria III N., B., & O.D.	
1886	Aug. 31	Friendly Islands, Niua-Fu Island I N.	
1886	Aug. 31	U.S.A. (S. Carolina), Charlestown and Summerville III Ti. & F.R.	
1886	Sept. 5	Italy, Coazze, Pinasca, throughout (Piedmont) and adjoining part of (Lombardy) I B.	
1886	Sept. 22	3h. 3m., a.m. Java, Sinagar, elsewhere in the (Preanger, Bantam, Batavia) I O.N.T.	
1886	Sept. 26	Asia Minor, Smyrna I Ti.	
1886	Oct. 20	India, Cashmere, Srinagar I Ti. & N.	
1886	Oct. 20	4h. 30m., p.m. 64°W. 19°N., sea-quake I N.	
1886	Oct. 22	U.S.A., Charlestown, Savannah, Summerville I N.	
1886	Oct. 31	Servia, Cacak, Zablace II O.D.	
1886	Nov. 8	Russian Turkestan, Tokmak and Verny I M. & O.	
1886	Nov. 29	Russian Turkestan, Tashkent II M. & O.	
1886	Dec. 4	Servia, Cacak, Zablace I O.D.	
1886	Dec. 11	Asia Minor, Smyrna, Chios II N. & Ti.	
1887	Jan. 6	North Africa, Tunis, Ejenel? II Ti.	
1887	Jan. 15	Japan (Sagami), Yokohama I N.	
1887	Feb. 2	15h., G.M.T. Philippines, Panay Island, <i>Iloilo</i> (Antique and Capiz) III S.M.	
1887	Feb. 23	Italy and France, <i>San Remo, Portomourizio</i> and along the west of (Liguria), Nice, Marseilles III Ti. & B.	
1887	Mar. 24	13h. 14m., G.M.T. Philippines, S.E. Luzon (Camarines), <i>Nueva Caceres, Daet</i> II S.M.	
1887	May 3	U.S.A. and Mexico (Arizona), <i>Bavispe, Oputo, Arispe</i> in Sonora, Chihuahua, Guerrero, and along all the eastern slope of the Sierra Madre III O.B.	
1887	May 5	3h. 39m., p.m. West Indies, Trinidad I O.D.	
1887	May 26	Italy, Iesi in Ancona and along the Adriatic Coast I B.	
1887	May 29 & 30	Mexico, Ayutla, origin coast of San Marcos I Bo.	
1887	June 9-28	Russian Turkestan, Verny, Sophiisk, Kopal, Gabrilovka, Oksuisk, Karakul, Prjevalski and Valley of the Ili III M. & O., Ti., & N.	
1887	June 13	1h. 17m., p.m. Sumatra and Java, <i>Benkoelen, Taloe</i> and Batavia I O.N.T.	
1887	June 29	Ecuador, Guayaquil I Ti.	

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1887	July 16	Caucasia, Batum, Ozurgeti and Kutais I M. & O.
1887	July 17	Asia Minor, Rhodes Island, Crete, Chios, Canea I N.
1887	July 17	Egypt, Cairo, Suakin, and Nile Valley I Ti.
1887	July 17	Crete and Rhodes I B.
1887	Aug. 2	6h. 29m., p.m. Ecuador, Cuenca III N.
1887	Aug. 5	Algeria, Laghouat I Ti.
1887	Aug. 28	Mexico, especially Chilpancingo (Guerrero, Morelos, Hildago) I O.B. & N.
1887	Sept. 9	Russian Turkestan, Verny II M. & O.
1887	Sept. 23	7h. a.m., also 9h. 10m., a.m., also Sept. 24-26. West Indies, Bahamas, Inagua Island, Haiti, Port de Paix III O.D.
1887	Sept. 23	Bolivia, Yacuiva I Mon.
1887	End of Sept.	Hungary, Temesvar I N.
1887	Oct. 2?	West Indies, Cuba, Santiago de Cuba II Ti.
1887	Oct. 4	Greece (Corinthia), Kiato, Xylo-Kastro II Ti.
1887	Oct. 16	West Indies, Hayti II Ti.
1887	Oct. 28	Iceland, Southland, Reykjavik I Th.
1887	Nov. 9	Italy, Forli, Rocca S. Casciano and around I B.
1887	Nov. 14	Austria (Carinthia and Styria) I N.
1887	Nov. 14	France, S. Saturnin, Cavaillon I Ti.
1887	Nov. 26	Mexico, <i>Pinal de Amoles</i> in Quarataro, San Luis Potosi, Hidalgo, Guanajuato I O.B.
1887	Nov. 28	Iceland, Southland, Reykjanes, some houses damaged I Th.
1887	Dec. 3	Italy, Besignano, Mongrasso, S. Sofia, and neighbourhood in (Cosenza) II B.
1887	Dec. 16	China (Yunnan), <i>Shihping</i> in Linan Fu III Ho.
1888	Jan. 8	Algeria I Ti. & N.
1888	Jan. 10	Sh. 55m., a.m. West Indies (Grenada), St. George, Grenville, also Trinidad and Paria II N. & O.D.
1888	Jan. 14	China (Yunnan), Shihping; (Szechuan), Luchou III N.
1888	Jan. 27	26th, 19h. 45m., G.M.T. Philippines, E. Mindanao, centre Agusan River Valley I S.M.
1888	Feb. 25	Italy, Stromboli I B.
1888	Mar. 13 & 15	2h. 11m., a.m. Celebes, Gorontalo in (Menado) I O.N.T.
1888	April 2	Switzerland (Glarus), Linthal, Elm I N.
1888	April 12	Austria, Odenburg, Eisenstadt, Pottendorf I N.
1888	April	China (Yunnan), especially the towns Shipin, Chenshui and Peiyuqting III M. & O.
1888	May 7	Norway and Islands of Vaerö and Röst I N.
1888	May 15	Caucasia, Erivan I M. & O.
1888	May 24 to	May 30th at 6 a.m. and June 2nd at 4.30 p.m. Dutch East Indies, Boeleleng in Bali II O.N.T.
1888	June 2	North China, Chefoo, Tientsin, Newchang II Ti.
1888	June 13	Italy, Teramo in the Abruzzi I B.
1888	July 8	Honduras, earthquake and storm I N.
1888	July 14	Italy, S. Lorenzo, Nuovo (Viterbo) I B.
1888	Aug.-Sept.	6h. 39m., G.M.T. Philippines, N.E. Luzon (Cagayan, Isabela) I S.M.
1888	Aug. 19	8h. 32m. p.m. Sumatra, Solok and Loeboe Selassi in the Padangsche Bovenland I O.N.T.
1888	Aug. 21	New Zealand, North Canterbury, Amuri, Christchurch I Ti. & O.D.
1888	Sept. 1	Mexico, <i>Tetzilacatlan</i> in (Guerrero, Mexico, Morelos, Tlaxcala) I O.B.
1888	Sept. 9	Greece III Ti.
1888	Sept. 16	Russian Turkestan, Verny and Pischpek I M. & O.
1888	Sept. 22, 23-26	Armenia, Ardahan, Okan II M. & O.
1888	Sept. 27	Evening. Java, Kerangpandon in Soerakarta I O.N.T.
1888	Oct. 7	Mexico, Papantla and elsewhere in Vera Cruz I O.B.
1888	Oct. 10	India (Burmah), Rangoon I O.D. & Ti.
1888	Nov. 10	Bosnia, Stolac I Ti.
1888	Nov. 28	Russian Turkestan, Tashkent, Kojent and places east of Tashkent I M. & O.
1888	Nov. 29 &	Russian Turkestan, Verny and Kopal I M. & O.
1888	Dec. 3	Costa Rica, San José, Alajuela II Ti.
1888	Dec. 20	India, Calcutta I N.
1888	Dec. 23	

A.D.		
1888	Dec. 28	Baluchistan, Quetta II N.
1888	Dec. 30	4h. 21m., a.m., local. Costa Rica, San José, Alajuela, Heredia III N. & O.D.
1888		Formosa, Unrin II H.
1889	Jan. 1	2h. 20m., G.M.T. Philippines, N.E. Mindanao (Surigao, Butuan) II S.M.
1889	Jan. 14	Greece, Sparta III N. Ti. gives Jan. 17.
1889	Feb. 5	7h. 53m., G.M.T. Philippines, W. Mindanao (Zamboanga), Basilan Island (Cotabato and Lanao), epicentre south of Illana Bay II S.M.
1889	Feb. 13	France and Switzerland, Fleurier, Jura Mountains II N.
1889	Feb. 18	France, Isère, Pont de Beauvoisin I N.
1889	Feb. 18	Japan, Tokio, Yokohama, (Sagami, Musashi, Shimosa, Kazusa and Awa) I Mi.
1889	Feb. 25	Russian Turkestan, Verny I N.
1889	April 5	Gold Coast, Accra, Aburi I N.
1889	May 26	25th, 18h. 23m., G.M.T. Philippines, S. Luzon (Batangas), and N. part of Mindoro, Taal, Ibaan, Calapan II S.M.
1889	May 30	France, Cherbourg I Ti.
1889	June 13	China (Shantung), Yenchou Fu; (Chihli), Paoting Fu, Hochien Fu, Tiensin Fu II Ho.
1889	June-Oct.	Italy, Tolmezzo, Caneva, and neighbourhood in (Udine) I B.
1889	July 12	Russian Turkestan, Djarkend or Dsharkent, Prjevalsk or Prshewalsk III N.
1889	July 19	U.S.A., Tennessee, Memphis I F.R.
1889	July 19	10h. 42m., a.m. Moluccas, Batjan in Ternate I O.N.T.
1889	July 28	Japan, Kyushu, part of Shikoku (Higo) Kumamolo III O.
1889	Aug. 17	Bosnia, Mostar, Ostrojac or Ostrosatz, Konjica I N. Ti. gives 16th.
1889	Aug. 17	Mexico, Teloloapan (Guerrero) II O.D.
1889	Aug. 26	Greece, round the Gulf of Corinth II Ti. & N.
1889	Aug. 27	U.S.A., California, Los Angeles, Pasadena I Ti.
1889	Sept. 4	7h. 37m., p.m. Java, Rendang in Japara II O.N.T.
1889	Sept. 6	12h. 43m., a.m. Celebes and Moluccas (Na Lewet) and Minahassa in Menado and Batjan in Ternate I O.N.T.
1889	Sept. 18	7h. 8m., a.m. Java, Bondowoso and other places in Besoeki I O.N.T.
1889	Oct. 6	3h. 10m., G.M.T. Philippines, E. Mindanao, Davao district, epicentre in the Valley of the Agusan River II S.M.
1889	Oct. 13	Iceland, Reykjanes Peninsula, a few houses damaged I Th.
1889	Oct. 23	Mexico (Guerrero), Coahuayutla I O.D.
1889	Oct. 25	Turkey, Dardanelles I Ti.
1889	Oct. 28	9h. 45m., a.m. Asia Minor, Mitylene, Sigri Lighthouse II N.
1889	Nov. 19	Russian Turkestan, N.E. Shores of Lake Issyk-kul, Uital, Saizewka, District of (Verny); shocks until Dec. III N.
1889	Nov. 28	Italy, Acciano in the Abruzzi I B.
1889	Dec. 1	Servia, Kragojevatz, Jagodina, Kupsia? Kuprija and Paracin I Ti.
1889	Dec. 8	Italy, Vico, Cagnano Varano, etc., in the Gargano Peninsula and the neighbouring coast of (Apulia) I B.
1889	Dec. 12-13	Italy, Sicily, Zafferana and Acireale on the S.E. flank of Etna I B.
1890	Feb. 7	6th, 16h. 10m., G.M.T. Philippines (N. Leyte), Carigara, Barugo and other towns II S.M.
1890	Feb. 24	Canada, Queen Charlotte Islands, Skeena II N.
1890	Mar. 26	Italy, Longarone and environs in (Belluno) I B.
1890	April 13	6h. 4m., G.M.T. Philippines, N. Luzon (Ilocos Norte and Sur, Mountain Province, Cagayan, Isabela) I S.M.
1890	April 24	Peru? San Felipe I Mon.
1890	May 20	Asia Minor, Kayi, Refahie III Ti.
1890	May 24-25	Italy, S.E. of Pantelleria Island I B.
1890	May 26	Armenia, Village of Kayi, District of Refahie II N.

A.D.			
1890	June 2	Peru, Lima I Ti.	
1890	June 20	7h. 37m., a.m. Java, <i>Wonogiri</i> in (Soerakarta) and over West Java I O.N.T.	
1890	June 28	Persia, between Meshed and Teheran, Tasch II N.	
1890	Oct. 4	4h. 49m., p.m. Java, <i>Tjitjalengka</i> and elsewhere in the (Preanger) I O.N.T.	
1890	Oct. 5	2h. 31m., a.m. West Indies, Trinidad I O.D.	
1890	Nov. 15	5h. 30m., p.m. Scotland, Inverness I N.	
1890	Nov. 20	4h. 30m., a.m. West Indies, Trinidad I O.D.	
1890	Nov. 23	Between 9h. 50m. and 10h. 20m., a.m. Moluccas, Banda-Neira in Amboina I O.N.T.	
1890	Nov. 28	Hungary, Pressburg I Ti.	
1890	Dec. 3	Mexico II Ti.	
1890	Dec. 12	7h. 50m., a.m. Java, <i>Djoewana</i> in Japara and over great part of Java II O.N.T.	
1891	Jan. 2	U.S.A., North California I N.	
1891	Jan. 8	U.S.A., Texas, Rusk I Ti.	
1891	Jan. 15	4h., local. Algeria, Gouraya, Villebourg, Philippeville, Blidah III N. Ti. gives II	
1891	April 3	Armenia, Van, Adeljiwaz III Ti.	
1891	April 30	11h. 30m., p.m. Java, <i>Gombong</i> in Bagelen, (Cheribon, Preanger and Semarang) I O.N.T.	
1891	May 5	4h. 22m., p.m. Java, <i>Wonogiri</i> in Soerakarta and <i>Toeloeng Agoeng</i> in (Kediri) I O.N.T.	
1891	June 7	Italy, Tregnano, Badia Calavena and neighbourhood in (Verona), felt over all North Italy and in Trieste II B.	
1891	June 17 or 18	India, Bengal, Serajgunj, Dhainra I N. & Ti.	
1891	June 25	12h. 10m., G.M.T. Philippines, E. Mindanao (Butuan and Davao) districts; centre in Agusan River Valley II S.M.	
1891	June 29	U.S.A., California, San José I N.	
1891	July 26	U.S.A., Indiana, Evansville I N.	
1891	Aug. 1	Italy, Lugo in (Romagna) I B.	
1891	Aug. 15	Central Bolivia I Mon.	
1891	Sept. 9	1h. 55m., a.m. Salvador, San Salvador, Comasagua, Analquito, Santa Tecla, San Pedro III N.	
1891	Oct. 1	Italy, Montecassino in (Caserta) I B.	
1891	Oct. 6	Italy (Perugia), Sallano I B.	
1891	Oct. 11	U.S.A., California, Napa I N.	
1891	Oct. 14-26	Italy, Pantellaria Island; submarine with volcanic eruption I N. & B.	
1891	Oct. 28	Japan (Mino, Owari) III O.	
1891	Dec. 22	Italy, Sondrio and neighbourhood in (Lombardy) I B.	
1892	Jan. 6	Italy, Campazzi, Salo in the basin of Lake Garda I B.	
1892	Jan.	Tasmania I Ti.	
1892	Mar. 8	Philippines, Batanes Islands, <i>San Domingo</i> and other towns on Batan Island II S.M.	
1892	Mar. 16	Italy, Alicuri, Filiduri, Saliva, Lipari Islands and felt in Sicily and (Calabria) II B.	
1892	Mar. 16	12h. 58m., G.M.T. Philippines, N. Luzon (Pangasinan, Union and Abra provinces); reported at 16h. 34m. on same day, also on the 26th and 28th III S.M.	
1892	April 17	U.S.A. (Oregon), Portland I Ti.	
1892	April 19-21	U.S.A. (California), Oakville, Winters, Dixon, San Francisco I N. & Ti.	
1892	April 22	Formosa, Anpin I H.	
1892	April-June	Italy, Peninsula Garganica in (Apulia) I B.	
1892	May 16	Philippines, Guam in the Ladrones II S.M.	
1892	May 17	Italy (Emilia), Carpineti I B.	
1892	May 17	1h. 18m., p.m. Sumatra, Padang, Sidempoean in Tapan-ooli (Benkoelen, Palembang) and east coast of Sumatra I O.N.T.	
1892	June 24	Mexico, Guadalajara II N.	
1892	June 24	Italy, Claut and neighbourhood in (Udine) I B.	
1892	June 30	Italy, Badia Calavena and Valli dei Signori in (Verona) and parts of (Vicenza) I B.	
1892	July 7	Italy, Sicily, Zafferana, Calanna, etc., near Etna I B.	
1892	Aug. 4?	Central America? San Cristobal? III Ti.	
1892	Aug. 9	Italy, Badia Calavena, Chiampo, etc., in (Verona) I B.	

A.D.		
1892	Sept. 29	Spain, Huelva I N. & Ti.
1892	Oct. 14	Roumania, Bucharest, Olteniza I N. & Ti.
1892	Nov. 21	Italy (Perugia), Fraceano, Cafirenze, etc., near Citta di Castello I B.
1892	Dec. 9	Japan, West of part (Noto) II O.
1892	Dec. 20	0h. 20m., G.M.T. Baluchistan, Shalabagh, Sanzal, Old Chaman III N.
1892-3	Dec. 29 to Jan. 9	Italy, Castel del Rio, Monzuno, etc., in (Romagna) I B.
1893	Jan. 25	Italy, Salerno and neighbouring parts of (Basilicata) I B.
1893	Jan. 31-Feb. 3	Greece, Zante, also at Patras III N. & Ti.
1893	Feb. 12	New Zealand, Wellington, Nelson I N. & O.D.
1893	Feb. 13	Baluchistan, Quetta II N.
1893	Feb.	Turkey, Samothraki Island III N.
1893	Mar. 9	8th, 16h. 35m., G.M.T. Philippines, Central Luzon (Nueva Vizcaya, Abra, Pangasinan) I S.M.
1893	April 8	Servia, Belgrade, Morava Valley, Pozarevac, Svilajnac, Gradiste II N. Ti. gives April 10 and III
1893	April 12	5h. 48m., G.M.T. Philippines (Camarines, Albay, Sorsogon, Masbate) and North Samas I S.M.
1893	April 17	5h. 29m., Greece, Zante, also at Patras III N. & O.D.
1893	April 19	10h. 40m., p.m. Dutch East Indies, Boeleleng in Bali I O.N.T.
1893	April 22	Italy, S. Piero Patti, S. Barbora and Monte Albano Elicona (in Messina) I B.
1893	May 20 & 31	Servia, Morava Valley I O.D.
1893	June 3	2nd, 22h. 23m., G.M.T. Philippines, W. Mindanao, Illana Bay II S.M.
1893	June 11	8h. 17m., a.m. Sumatra, Tebing, Tinggi in Palembang II O.N.T.
1893	June 12	7h. 57m., a.m. Sumatra, <i>Manna, Kauer</i> (Benkoelen), Lampung, Palembang III O.N.T.
1893	June 14	Austria, Chimara, Kue in Epirus I B.
1893	June 21	6h. 50m., G.M.T. Philippines, E. Mindanao, Agusan River Valley III S.M.
1893	July 1	June 30, 2h. 8m., G.M.T. Philippines, E. Mindanao, Agusan River Valley II S.M.
1893	Aug. 2	Italy, Montereale in (Aquila) I B.
1893	Aug. 5	Austria, Styria, Mur Valley II N.
1893	Aug. 10	Italy, Mattinata and Southern shore of the Peninsula Garganica II B.
1893	Sept. 6	Shocks until Nov. China (Yunnan), Linan Fu I Ho.
1893	Sept. 7	Japan, Kagoshima III O.
1893	Sept. 8	Servia, Morava Valley II O.D.
1893	Oct. 27	Italy, Longarone, Farra di Alpago and neighbourhood (Belluno) I B.
1893	Nov. 5	India (Punjab), Peshawar, Naushara I N.
1893	Nov. 14	8h. 55m. Greece, Salamis I O.D.
1893	Nov. 17	8h. 23m., a.m. Russian Turkestan, Kassan, Samarkand III N. & Ti.
1893	Nov. 27	Canada, Montreal I N. & Ti.
1893	Dec. 24	23rd, 16h. 24m., G.M.T. Philippines, S.E. Luzon, North Samar, N.E. <i>Masbate Island</i> I S.M.
1894	Feb. 9	Italy, Bosco Chiesa, Velo Velonese, etc., between the Adige and the Chiampo Brook (Verona) I B.
1894	Feb. 10	9th, 16h. 42m., G.M.T. Philippines, S.E. Mindanao, East Davao Gulf II S.M.
1894	Feb. 18	17th, 21h. 23m., G.M.T. Philippines, Mindanao, Agusan River Valley I S.M.
1894	Mar. 16	Italy, Pantellaria I B.
1894	Mar. 22	Japan, Yezo, (Kushiro, Nemuro) II O.
1894	Mar. 26	Italy, Lesina (Foggia) I B.
1894	April 2	1st, 18h. 34m., G.M.T. Philippines, Central Luzon (Nueva Ecija, Pangasinan, Benguet) I S.M.
1894	April 20	Colombia and Venezuela, Cucuta, Maracaibo I Ti.
1894	April 27	Greece, district between Thebes, Lividia, Atlanta and Chalcis III O.D. N. gives April 20 and May 1.
1894	April 27	Evening, Java, Panaroekan and elsewhere in (Besoeki) I O.N.T.

A.D.

1894	April 28	Venezuela, Merièda II O.D.
1894	May 21	New Zealand, Wellington, Nelson, Christchurch I N.
1894	May 28	Italy, <i>Viggianello</i> , Rotonda, Castelluccio and neighbourhood (Basilicata) I B.
1894	June 19	Algeria, Oran I N. & Ti.
1894	June 19	6h. 56m., p.m. Java, Besoeki I O.N.T.
1894	June 20	Japan, Tokio I O.
1894	June 29	28th, 18h. 57m., G.M.T. Philippines, E. Mindanao, Agusan River Valley II S.M.
1894	June 30	29th, 21h. 50m., G.M.T. Philippines, E. Mindanao, Agusan River Valley II S.M.
1894	July 4	4h. 15m., p.m. Java, Besocki I O.N.T.
1894	July 10	Turkey, Constantinople, Pera, S. Stefano, Tchataldcha to Ada-bazar along the Gulf of Iznid, Island of Chalki and Antigoni III N. & Ti.
1894	July 18	U.S.A. (Utah), Ogden I F.R.
1894	July 26	0h. 35m. Greece, Douka (Elis) I O.D.
1894	July 26	Servia, Varna II Ti.
1894	Aug. 7-8	Italy, Fleri, Pisano, Scacchiere, Zerbate (Catania) II B.
1894	Sept. 2	Roumania, Bucharest and other Roumanian towns II Ti.
1894	Oct. 2	Prussia, Dortmund II Ti.
1894	Oct. 15	New Hebrides, Ambrym, with eruption I Ti.
1894	Oct. 20	9h. 21m., a.m. Sumatra, Manna (Benkoelen, Palembang) over west of Java II O.N.T.
1894	Oct. 22	Japan (Ugo), Shonai II O.
1894	Oct. 23	U.S.A., California, San Diego I F.R.
1894	Oct. 27	Argentina, La Rioja, San Juan, La Paz, Cordova and Rosario II Mon., N. & Ti.
1894	Nov.	Venezuela, Carache I O.D.
1894	Nov. 2	22h. 53m. Mexico, Mexico City I Pe.
1894	Nov. 16	Italy, especially between Palmi and S. Cristina on the north-western side of Aspromonti in (Calabria), felt over Eastern Sicily or South Italy II N. & B.
1894	Nov. 20	2h. 10m., a.m. Celebes, Tontoli I O.N.T.
1894	Nov. 27	Italy, Brescia and other places near the Lake of Isio I B.
1894	Nov. 28	Italy, Fonzaso (Belluno) I B.
1894	Dec. 10	Servia, Morava Valley I O.D.
1894	Dec. 13 & 14	India, Burma, Rangoon II O.D.
1894	Dec. 19	10h. 35m., p.m. South Hungary (Kiasso), Oravica I N.
1894	Dec. 27	Italy, Island Filicuri in the Lipari Islands I B.
1894	Dec. 30	17h. 12m. or 31st, 5h. 12m. Mexico, Mexico City I Pe.
1895	Jan. 7 & 17	Persia (Khorasan), Kuchan, Meshed III N. & Ti.
1895	Feb. 27	Italy, Claut (Udine) and neighbourhood I B.
1895	Mar. 23	Italy, Comacchio, Ostellato (Ferrara) I B.
1895	April 13	Italy, Licodia and Vizzini in (Syracuse) and in (Catania) I B.
1895	April 14	Austria and Italy, from Gemona in (Friuli) to Venice and felt also in (Lombardy), centre at Lubiana in Austria I B., N., & Ti.
1895	May 1	Greece, Atalanta I Ti.
1895	May 13 or 14	Greece and Turkey (Albania), Paramythia, Dragani III Ti. & N.
1895	May 14	13th, 22h. 42m., G.M.T. Philippines, N. Mindoro, <i>Calapan</i> II S.M.
1895	May 20	West Indies, Antigua, Montserrat, Nevis, St. Kitts and Barbuda I N. O.D. gives May 29.
1895	May 20	Italy, Spoleto and neighbourhood I B.
1895	May 25	Italy, Crespino, Papozze and Rovigo (Ferrara) I B.
1895	June 7	13h. 56m., G.M.T. Philippines, N. Mindoro, <i>Calapan</i> II S.M.
1895	June 10	Italy, Follino and Valmareno in Treviso I B.
1895	Aug. 9	Italy, Island of Kremiti, Chietino (Apulia) I B.
1895	Aug. 18	New Zealand, Taupo II Ti.
1895	Aug. 19	Peru, Chincha Island II Ti.
1895	Sept. 4	Italy, Querciolano (Tuscany) I B.
1895	Oct. 25	Italy, Poggibonsi and neighbourhood in (Siena) I B.
1895	Nov. 1	Italy, Rome and country towards the sea I B.
1895	Dec. 25	Spain (Orense, Galicia) I N.
1896	Jan. 2	Persia, Khalkhal, North of Mianeh, Goi, Gangabad III N. & Ti.

CATALOGUE OF DESTRUCTIVE EARTHQUAKES.

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A.D.			
1896	Mar. 2	Mexico (Jalisco), Colima, San Gabriel and many other places I O.D.	
1896	Mar. 12	Russia, Odessa I Ti.	
1896	Mar. 12	Roumania, Jassy and Neamtu (Avramesei) I O.D.	
1896	Mar. 14	1h. 16m. Chile, Santiago and Valparaiso II Ti. & Mon.	
1896	Mar. 18	Italy, Acireale (Catania) I B.	
1896	April 17	Italy, Monte S. Angelo (Foggia) I B.	
1896	April 18	Dutch East Indies, Alor in Timor III O.N.T.	
1896	May	U.S.A., Alaska, Orca II F.R.	
1896	June 15	N.E. Japan, Kamaishi, chiefly sea waves III O.	
1896	June 29	Cyprus, Limasol III N. Ti. gives July 5.	
1896	June 30	8h. 9m., p.m. Java, Sendoero in Probolinggo (Pasoeroean, Besoeki) I O.N.T.	
1896	July 8-9	Italy, Granaglione (Bologna) I B.	
1896	July 9	Russia, Caspian Sea I N.	
1896	Aug. 15	4h. 40m., p.m. Java, Patjitan in Madioen and over the greater part of Java I O.N.T.	
1896	Aug. 19	6h. 18m., p.m. Java, Toeloeng Agoeng and elsewhere in (Kediri) I O.N.T.	
1896	Aug. 26	Iceland, Arnessysla, Rangarvallasysla, Faxaflo, many hundred farms and over 2,000 cattle-sheds fell and more damaged III Th.	
1896	Aug. 31	Japan (Uzen, Ugo), Akita, Rokugo II O.	
1896	Sept. 6	Iceland II N.	
1896	Sept. 13	4h. 56m., G.M.T. Philippines, N.W. Luzon (Ilocos Norte, Mountain, Cagayan), Laoag, Aparri I S.M.	
1896	Oct. 16	Italy, San Remo, Oneglia and other places in Western (Liguria) I B.	
1896	Nov. 2	11h. 59m., a.m. Java, Pameungpeuk, Boengboelang in the (Preanger, Batavia, Cheribon, Kedoe, Banjoemas, Semarang, Kediri), Bagelen I O.N.T.	
1896	Nov. 13 & 14	Asia Minor, Aidin, Bergama I N.	
1896	Dec. 1	Italy, Pontebba (Udine) I B.	
1896	Dec. 17	5h. 30m., a.m. England, Hereford I N.	
1896	Dec. 29	4h. 51m. Greece, Yannitsa or Calamata I O.D.	
1897	Jan. 6, 7, & 19	Italy, Vallo di Nera, Spello and other places in (Umbria) I B.	
1897	Jan. 11	Persia, Kishm II Ti. & N.	
1897	Jan. 17	Japan (Shinano), Nagano III O.	
1897	Jan. 17	Turkey, Epirus, Delvino II Ti. & N.	
1897	Jan. 18	17th, 18h. 35m., G.M.T. Philippines, N. Luzon (Mountain, Isabela, Cagayan) I S.M.	
1897	Feb. 15	Servia, Vranji, Mostanica, Ristobac II O.D.	
1897	Feb. 16	15th, 21h. 4m., G.M.T. Philippines, E. Mindanao, Agusan River Valley II S.M.	
1897	Feb. 20	Japan, Sendia III O.	
1897	Mar. 15	Celebes, the Island Kajoe wadi I O.N.T.	
1897	April 8	13h. 20m., G.M.T. Philippines, E. Mindanao, Agusan River Valley II S.M.	
1897	April 29	West Indies, Guadeloupe (Pointe à Pitre), Antigua, St. Kitts, Dominica II N. & O.D.	
1897	May 3	North Coast of Iceland I Th.	
1897	May 10	S. Australia, Kingston, Robi, Beachport I O.D.	
1897	May 13	11h. 22m., G.M.T. Philippines, Masbate and neighbouring Islands II S.M.	
1897	May 15	Italy, N.W. Sicily and Ustica Island I B.	
1897	May 28	Italy, S.E. Sicily, Terra d'Otranto and South Italy, felt over most of the Peninsula; most violent in Greece I B.	
1897	June 5	Mexico (Oaxaca), Juchitan I O.D.	
1897	June 12	11h. 5m., G.M.T. India, Calcutta, Assam, Shillong, Gauhati, Goalpara, Dhubri III N. & Ti.	
1897	July 15	Austria, Laibach I N.	
1897	July 27	Italy, Ponsacco, Pontedera (Pisa) I B.	
1897	Aug. 15	12h. 17m., G.M.T. Philippines, N. Luzon (Ilocos Sur), Candon and Vigan II S.M.	
1897	Aug. 29	Servia, Morava Valley I O.D.	
1897	Sept. 18	Russian Turkestan, Samarkand, Tashkent I N. & Ti.	
1897	Sept. 20	Peru, Liam, Matucana I N.	
1897	Sept. 21	Italy, Sinigallia, Fano, Mondolfo (Ancona) I B.	

CATALOGUE OF DESTRUCTIVE EARTHQUAKES

A.D.

1897	Sept. 21	20th, 19h. 10m., G.M.T. Philippines, N.W. Mindanao (Dapitan) district II S.M.
1897	Sept. 21	5h. 15m., G.M.T. Philippines, W. Mindanao, Sulu district (Basilan, Zamboanga), and Jolo Island; it caused the greatest sea tide ever recorded in the Philippines III S.M.
1897	Oct. 8	7th, 21h., G.M.T. Philippines, Davao I S.M.
1897	Oct. 19	9h. 5m., G.M.T. Philippines, N. Samar Island, Sulat, Palapag, Catubig, Oras, Laoang III S.M.
1897	Oct. 19	7h. 15m., G.M.T. Philippines, Visayas Island and N. Samar II S.M.
1897	Nov. 2	3h. 25m. Greece, Leukas or Santa Maura I O.D.
1897	Nov. 14	0h. 59m., G.M.T. Philippines, N. Luzon (Ilocos Sur), Vigan, <i>Candon</i> I S.M.
1897	Dec. 8	New Zealand, Wellington, Wanganui I O.D.
1897	Dec. 18	Italy, places North of C. di Castello (Umbria) I B.
1897-8	Dec. & Jan.	West Indies, Montserrat I O.D.
1898	Jan. 6	Moluccas II Ti.
1898	Jan. 30	11h. 15m., G.M.T. Philippines, W. Mindanao, Basilan, and Zamboanga district, Sulu Island II S.M.
1898	Feb. 15-20	West Indies, Montserrat I N.
1898	Feb. 28	Asia Minor, Balikesri II Ti.
1898	Mar. 4	West Indies I Ti.
1898	Mar. 4	Italy, the Apennines of Parma and Reggio and over North Italy I B.
1898	Mar. 30	U.S.A., California, Mare Island, San Francisco, Vallejo I F.R. & N.
1898	May 14	Italy, <i>S. Maria di Licodia</i> , Biancavilla (Catania) near Etna I B.
1898	June 2	22h. 5m., Greece (Arcadia), Tripolitza I B.
1898	June 20	Peru (Ica), Ica I H.J.
1898	June 28	Italy, <i>Rieti</i> , Cittaducale, Srufina (Umbria) I B.
1898	July 2	Hungary, Sinj in Dalmatia III B.
1898	July 23	Chile, Concepcion, Telcahuano I Mon.
1898	July 31	Hungary, Giannina in Epirus I B.
1898	Aug. 10	Japan (Chikuzen), Itohimagori II O.
1898	Aug. 10	Italy, <i>Messina</i> and other places in Sicily and in Calabria I B.
1898	Aug. 25	Italy, in the villages round Visso (Macerata) I B.
1898	Sept.	China (Shansi), Taichou II "North China Herald"
1898	Nov. 2	11h. 23m., 11h. 37m., and 11h. 56m., p.m. Java, <i>Soekapoera</i> , <i>Tegikadjang</i> , <i>Pakendjeng</i> and elsewhere in (Preanger) I O.N.T.
1898	Nov. 9	19h. 1m. Greece, Kyparissia I O.D.
1898	Nov. 20	5h. 46m., p.m. Moluccas, Saparoea in Amboina I O.N.T.
1899	Jan. 22	8h. 13m. S.W. coast of Greece (Peloponnese), Philatra, <i>Kyparissia</i> III Ti.
1899	Jan. 24	Mexico, Chilpancingo and in the State of Puebla, Vera Cruz, Michoacan, Guerrero, Oaxaca I Ti. & O.D.
1899	Feb. 27	Iceland, Reykjanes Peninsula, Reykjavik, a few houses damaged I Th.
1899	Mar. 7	0h. 45m., G.M.T. Japan near Nagoya II Mi.
1899	Mar. 24	Salvador near San Vicente II O.D.
1899	April 12	Argentina, Rioja, Catamarca, Tucuman, Rio, Cuarto, Santiago del Estero I Mon.
1899	May 3	19h. 5m. Greece, Ligoudista I O.D.
1899	May 17	West Indies, Montserrat I Ti.
1899	July 19	Italy, Rome I Ti.
1899	Aug. 13	Portugal, Lisbon I Ti.
1899	Sept. 3-10	U.S.A., Alaska, Yakutat Bay III F.R.
1899	Sept. 20	Asia Minor, Aidin, Smyrna, Meander Valley III N.
1899	Sept. 25	India, Darjiling III ? Ti.
1899	Oct. 12	Moluccas, Ceram, Ambon III Ti.
1899	Oct. 29	Java, <i>Bengboelang</i> and elsewhere in (Preanger and Cheribon) I O.N.T.
1899	Dec. 25	U.S.A., S. California, San Jacinto, Riverside Co. I F.R.
1899	Dec. 26	25th, 20h. 20m., G.M.T. Philippines, Mindanao, Agusan River Valley I S.M.
1899	Dec. 31	Caucasia, Tiflis, Acalkalaki III N.





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